

# W-CDMA Essential Patents for W-CDMA Terminals Products

Essentiality Cross Reference Chart (Other claims may also be essential)

<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
1 BS, T	Siemens	US 6389300B2		04/05/2021	Method for data transmission in a mobile radio system, mobile station, and base station	10, 34, 51	TS25.212 V4.4.0 S4.4, TS25.212 V4.4.0 S4.4.4
BS, RNC, T	Siemens	JP 3831612		02/11/2019	Method for data transmission in a mobile radio system, mobile station, and base station	2, 12, 20	TS25.133 V4.5.0 S5.3.1, TS25.201 V4.3.0 S4.2.1, TS25.212 V4.4.0 S4.4, TS25.212 V4.4.0 S4.4.4, TS25.215 V4.4.0 S4, TS25.215 V4.4.0 S5.1, TS25.215 V4.4.0 S5.1.1, TS25.215 V4.4.0 S5.1.11, TS25.215 V4.4.0 S5.1.2, TS25.215 V4.4.0 S5.1.3, TS25.215 V4.4.0 S5.1.4, TS25.215 V4.4.0 S5.1.5, TS25.215 V4.4.0 S5.1.8, TS25.215 V4.4.0 S5.1.9, TS25.215 V4.4.0 S6.1.1.1, TS25.304 V4.5.0 S5.2.6.1.4, TS25.304 V4.5.0 S5.4.3, TS25.331 V4.5.0 S8.3.5, TS25.331 V4.5.0 S8.3.7.4

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>2</b>							
BS, RNC, T	NTT DoCoMo	JP 2993554		03/04/2015	Transmission power control method and a communication system using the same	1, 2, 4, 5, 6, 8	TS25.211 V5.0.0 S5.2, TS25.211 V5.1.0 S5.2.1, TS25.214 V5.1.0 B.2, TS25.214 V5.1.0 S5.1.2, TS25.214 V5.1.0 S5.2, TS25.433 V5.1.0 S8.2.17, TS25.433 V5.1.0 S9.1.36
BS, RNC, T	NTT DoCoMo	EP 0682418	DE, FR, GB, IT, SE	12/05/2015	Transmission power control for mobile radio	3, 8	TS25.214 V3.12.0 Annex B.2, TS25.214 V3.12.0 S3, TS25.214 V3.12.0 S5, TS25.331 V3.21.0 S10, TS25.331 V3.21.0 S8, TS25.433 V3.14.2 S8, TS25.433 V3.14.2 S9
BS, RNC, T	NTT DoCoMo	US 5566165		11/05/2015	Transmission Power Control Method and a Communication System Using the Same	1, 4, 6, 9	TS25.211 V5.0.0 Fig. 1, TS25.211 V5.0.0 S5.2.1, TS25.214 V5.0.0 Annex B2, TS25.214 V5.0.0 S5, TS25.214 V5.0.0 S5.1.2.2.1, TS25.214 V5.0.0 S5.1.2.2.2, TS25.214 V5.0.0 S5.1.2.5.1, TS25.214 V5.0.0 S5.1.2.7, TS25.214 V5.0.0 S5.2.1.2.1, TS25.214 V5.0.0 S5.2.1.2.2, TS25.215 V5.0.0 S5.2.2, TS25.331 V5.0.0 S10.2.1, TS25.331 V5.0.0 S10.2.22, TS25.331 V5.0.0 S10.3.6.39, TS25.331 V5.0.0 S14.9.1, TS25.331 V5.0.0 S8.6.6.8, TS25.427 V5.0.0 S5.4, TS25.433 V5.0.0 S8.2.17.2, TS25.433 V5.0.0 S9.1.36, TS25.433 V5.0.0 S9.1.39.1, TS25.433 V5.0.0 S9.1.39.2
BS, RNC, T	NTT DoCoMo	CN 95105384		12/05/2015	A Transmission Power Control Method and a Communication System Using the Same	1, 4	TS25.214 V5.0.0 S5, TS25.214 V5.0.0 S5.1, TS25.214 V5.0.0 S5.1.2.1, TS25.214 V5.0.0 S5.1.2.2.1, TS25.214 V5.0.0 S5.1.2.7, TS25.214 V5.0.0 S5.2, TS25.215 V5.0.0 S5.2.2, TS25.331 V5.0.0 S10.2.1, TS25.331 V5.0.0 S10.2.22, TS25.331 V5.0.0 S10.3.6.39, TS25.331 V5.0.0 S8.6.6.8, TS25.427 V5.0.0 S5.4
BS, RNC, T	NTT DoCoMo	CN 00125988		12/05/2015	A Transmission Power Control Method and a Communication System Using the Same	1, 3	TS25.211 V5.0.0 Fig. 1, TS25.211 V5.0.0 S5.2.1, TS25.214 V5.0.0 Annex B2, TS25.214 V5.0.0 S5, TS25.214 V5.0.0 S5.1.2.2.2, TS25.214 V5.0.0 S5.2.1.2.1, TS25.214 V5.0.0 S5.2.1.2.2, TS25.331 V5.0.0 S14.9.1, TS25.433 V5.0.0 S8.2.17.2, TS25.433 V5.0.0 S9.1.36, TS25.433 V5.0.0 S9.1.39.1, TS25.433 V5.0.0 S9.1.39.2

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BS, RNC, T	NTT DoCoMo	KR 143837		10/05/2015	Transmission Power Control Method and a Communication System Using the Same.	1, 3, 6, 8	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 S5.2.1, TS25.214 V3.12.0 Annex B.2, TS25.214 V3.12.0 S5.1, TS25.214 V3.12.0 S5.1.2.2.1, TS25.214 V3.12.0 S5.1.2.2.2, TS25.214 V3.12.0 S5.1.2.5.1, TS25.214 V3.12.0 S5.1.2.6, TS25.214 V3.12.0 S5.1.2.7, TS25.214 V3.12.0 S5.2, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.215 V3.13.0 S5.2.2, TS25.331 V3.21.0 S10.2.1, TS25.331 V3.21.0 S10.2.22, TS25.331 V3.21.0 S10.3.6.39, TS25.331 V3.21.0 S14.9.1, TS25.331 V3.21.0 S8.6.6.8, TS25.427 V3.11.0 S5.4, TS25.433 V3.14.0 S8.2.17.2, TS25.433 V3.14.0 S9.1.36, TS25.433 V3.14.0 S9.1.39.1, TS25.433 V3.14.0 S9.1.39.2
		CA 2149095		10/05/2015	Transmission Power Control Method and Communication System Using the Same.	1, 3, 6, 8	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 S5.2.1, TS25.214 V3.12.0 Annex B.2, TS25.214 V3.12.0 S5.1.2.2.1, TS25.214 V3.12.0 S5.1.2.5.1, TS25.214 V3.12.0 S5.1.2.6, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.215 V3.13.0 S5.2.2, TS25.331 V3.21.0 S10.2.1, TS25.331 V3.21.0 S10.2.22, TS25.331 V3.21.0 S10.3.6.39, TS25.331 V3.21.0 S14.9.1, TS25.331 V3.21.0 S8.6.6.8, TS25.427 V3.11.0 S5.4, TS25.433 V3.14.2 S8.2.17.2, TS25.433 V3.14.2 S9.1.36.1, TS25.433 V3.14.2 S9.1.39.1, TS25.433 V3.14.2 S9.1.39.2
<b>3</b>							
BS, T	Mitsubishi	JP 3320711		05/03/2019	Spread spectrum communication device and spread spectrum communication method	1, 8	TS25.212 V3.11.0 S4
BS, T	Mitsubishi	US 6885648B2		05/03/2019	SPREAD SPECTRUM COMMUNICATION DEVICE AND SPREAD SPECTRUM COMMUNICATION METHOD	1, 3	TS25.101 V3.13.0 Annex A.5, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 14(1), TS25.212 V3.11.0 Fig. 15(1), TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.3, TS25.212 V3.11.0 S4.4.3.1, TS25.212 V3.11.0 S4.4.3.2
<b>4</b>							
BS, T	Siemens	EP 1075738B1	DE, FR, GB	07/07/2018	Data transfer with interruption phases	1, 12, 13	TS25.212 V4.4.0 S4, TS25.215 V4.4.0
BS, T	Siemens	US 7095730		30/10/2020	Data transmission with interruption phases.	10	TS25.201 V4.3.0 S4.2.1, TS25.212 V4.4.0 Figure 11, TS25.212 V4.4.0 figure 12, TS25.212 V4.4.0 figure 14, TS25.212 V4.4.0 figure 15, TS25.212 V4.4.0 S4.1, TS25.212 V4.4.0 S4.4, TS25.212 V4.4.0 S4.4.1, TS25.212 V4.4.0 S4.4.4

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<b>5</b>							
BS, CN, RNC, T	Siemens	EP 1119925B1	DE, ES, FR, GB, GR, IE, IT, NL, PL	09/10/2019	METHOD AND RADIO COMMUNICATION SYSTEM FOR REGULATING POWER BETWEEN A BASE STATION AND A SUBSCRIBER STATION	1, 9	TS25.212 S4.4, TS25.214 S5
BS, CN, RNC, T	Siemens	JP 4313952		08/10/2019	Method and radio communication system for regulating power between a base station and a subscriber station	1, 9	TS25.212 V4.4.0 Fig 11, TS25.212 V4.4.0 S4.4, TS25.214 V4.3.0 S5.1, TS25.214 V4.3.0 S5.1.2.1, TS25.214 V4.3.0 S5.1.2.2.1, TS25.214 V4.3.0 S5.1.2.3, TS25.214 V4.3.0 Table 1
BS, CN, RNC, T	Siemens	US 6885875		08/10/2019	Method and radio communication system for regulating power between a base station and a subscriber station.	25	TS25.214 V4.3.0 S5.1.2.1, TS25.214 V4.3.0 S5.1.2.2.1, TS25.214 V4.3.0 S5.1.2.3, TS25.214 V4.3.0 Table 1
<b>6</b>							
BS, T	Mitsubishi	JP 3328642		17/08/2013	Sound discrimination apparatus and sound discrimination method	1, 5	TS26.094 V3.0.0 S4
<b>7</b>							
BS, RNC, T	Siemens	DE 59910602		09/12/2018	METHOD FOR TRANSMITTING DATA IN A RADIO COMMUNICATION SYSTEM	1, 10	TR25.922 V3.7.0 S8.1.4, TS25.104 V3.12.0 S5.2, TS25.104 V3.12.0 S5.4.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.6, TS25.213 V3.8.0 S4.3.1, TS25.213 V3.8.0 S5.2.1, TS25.331 V3.16.0 S10.3.5.20, TS25.331 V3.16.0 S10.3.6.43, TS25.331 V3.16.0 S10.3.6.70, TS25.331 V3.16.0 S8.6.6.10
CN, T	Siemens	EP 1135955B1	DE, FR, GB	01/12/2019	METHOD FOR DATA TRANSMISSION IN A RADIO COMMUNICATIONS SYSTEM	1, 10	TR25.922 V3.7.0 S8.1.4, TR25.922 V3.7.0 Table 8-1, TS25.104 V3.12.0 S5.4.1, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.4, TS25.211 V3.12.0 S5.3.3.6, TS25.211 V3.12.0 Table 21, TS25.213 V3.8.0 Fig. 4, TS25.213 V3.8.0 S5.2.1, TS25.331 V3.16.0 S10.3.5.20, TS25.331 V3.16.0 S10.3.6.43, TS25.331 V3.16.0 S10.3.6.70, TS25.331 V3.16.0 S8.6.6.10
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<b>8</b>							
BS, RNC, T	NTT DoCoMo	JP 2801967		09/02/2015	Method and system for CDMA mobile radio communication	1, 18, 23, 40	TR21.905 V5.2.0 S3, TS25.211 V5.0.0 S4, TS25.211 V5.0.0 S5, TS25.213 V5.0.0 S4, TS25.213 V5.0.0 S5, TS25.301 V5.0.0 S5, TS25.401 V5.2.0 S6, TS25.401 V5.2.0 S7, TS25.402 V5.0.0 S4
BS, RNC, T	NTT DoCoMo	EP 693834B1	DE, GB, IT, SE	09/02/2015	Method and system for CDMA mobile radio communication	1, 17, 20, 36, 39	TS25.201 V3.4.0 S4.1, TS25.201 V3.4.0 S4.2, TS25.201 V3.4.0 S5.3, TS25.211 V3.12.0 S5, TS25.213 V3.9.0 S5.1, TS25.213 V3.9.0 S5.2, TS25.301 V3.11.0 S5.2.2, TS25.401 V3.10.0 S6, TS25.401 V3.10.0 S7.2, TS25.402 V3.10.0 S4.5
BS, RNC, T	NTT DoCoMo	US 5673260		09/02/2015	METHOD AND SYSTEM FOR CDMA MOBILE COMMUNICATION	1, 18, 23, 40	TR21.905 V3.3.0 Macro Diversity Handover Def., TS25.201 V3.4.0 S4.1.1, TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S4.2.3, TS25.201 V3.4.0 S5.3, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.3.3.3 Fig. 15, TS25.211 V3.12.0 S5.3.3.5 Fig. 18, TS25.213 V3.9.0 S4.3.1.1 Fig. 4, TS25.213 V3.9.0 S5.1, TS25.213 V3.9.0 S5.1 Fig. 8, TS25.213 V3.9.0 S5.2.1, TS25.213 V3.9.0 S5.2.2, TS25.213 V3.9.0 S5.2.3.2, TS25.213 V3.9.0 Table 4, TS25.301 V3.11.0 S5.2.2, TS25.301 V3.11.0 S5.2.2 Fig. 8, TS25.401 V3.10.0 S3.1 Def. of Cell and UTRAN AP, TS25.401 V3.10.0 S6, TS25.401 V5.2.0 S7.2.4.3, TS25.402 V3.10.0 S4.5
BS, T	NTT DoCoMo	CN 95190181		09/02/2015	Method and System for CDMA Mobile Communication	1, 18	TS25.201 V5.3.0 S4.1.1, TS25.201 V5.3.0 S4.1.2, TS25.201 V5.3.0 S4.2.1, TS25.211 V5.8.0 S4.1, TS25.211 V5.8.0 S5, TS25.211 V5.8.0 S5.2.1, TS25.211 V5.8.0 S5.2.2.1.3, TS25.211 V5.8.0 S5.3.2, TS25.211 V5.8.0 S5.3.3.1, TS25.211 V5.8.0 S5.3.3.10, TS25.211 V5.8.0 S5.3.3.12, TS25.211 V5.8.0 S5.3.3.13, TS25.211 V5.8.0 S5.3.3.3, TS25.211 V5.8.0 S5.3.3.4, TS25.211 V5.8.0 S5.3.3.7, TS25.213 V5.6.0 Fig. 1, TS25.213 V5.6.0 Fig. 2, TS25.213 V5.6.0 Fig. 4, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 Figure 8, TS25.213 V5.6.0 S4.1, TS25.213 V5.6.0 S4.3.1.1, TS25.213 V5.6.0 S4.3.2.4, TS25.213 V5.6.0 S4.3.2.5, TS25.213 V5.6.0 S5.1, TS25.213 V5.6.0 S5.2.1, TS25.213 V5.6.0 S5.2.2, TS25.401 V5.10.0 S3.1, TS25.401 V5.10.0 S6
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<b>9</b>							
BS, RNC, T	NTT DoCoMo	JP 3323424		28/07/2017	Downlink transmission power control scheme for mobile communication system and mobile communication system	1, 26	TS25.214 V5.0.0, TS25.302 V5.5.0, TS25.401 V5.2.0, TS25.427 V5.1.0, TS25.433 V5.0.0
BS, RNC, T	NTT DoCoMo	US 5933782		29/07/2017	DOWNLINK TRANSMISSION POWER CONTROL SCHEME FOR MOBILE COMMUNICATION SYSTEM USING SITE DIVERSITY	1, 26	TS25.214 V3.12.0 S5.2, TS25.214 V3.12.0 S5.2.1.2, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.401 V3.10.0 S3.1, TS25.401 V3.10.0 S7.2.4.3, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.51, TS25.433 V4.13.0 S9.1.36.1, TS25.433 V4.13.0 S9.2.2.13C
BS, RNC, T	NTT DoCoMo	EP 0822672	DE, FR, GB, IT, SE	29/07/2017	Downlink transmission power control scheme for mobile communication system using site diversity	1, 26, 51, 71	TS25.214 V3.12.0 S3, TS25.214 V3.12.0 S5.2, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.401 V3.10.0 S3.1, TS25.401 V3.10.0 S3.2, TS25.401 V3.10.0 S7.2.4.3, TS25.433 V3.14.2 Fig. 37, TS25.433 V3.14.2 S8.3.7, TS25.433 V3.14.2 S8.3.7.1, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.5.1
BS, RNC, T	NTT DoCoMo	EP 1662675	DE, FR, GB, IT, SE	29/07/2017	Downlink transmission power control scheme for mobile communication system using site diversity	1, 31, 43	TS25.214 V3.12.0 S5.2, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.401 V3.10.0 S3.1, TS25.401 V3.10.0 S3.1 Def. of Cell and UTRAN AP, TS25.401 V3.10.0 S7.2.4.3, TS25.433 V4.13.0 Figure 24, TS25.433 V4.13.0 S8.2.17.1, TS25.433 V4.13.0 S8.2.17.2, TS25.433 V4.13.0 S8.3.7.1, TS25.433 V4.13.0 S9.1.36.1, TS25.433 V4.13.0 S9.2.2.13C
BS, RNC, T	NTT DoCoMo	CA 2,211,925		29/07/2017	Downlink transmission power control scheme for mobile communication system using site diversity	1, 26	TS25.214 V5.11.0 S3, TS25.214 V5.11.0 S5.2, TS25.214 V5.11.0 S5.2.1.2, TS25.214 V5.11.0 S5.2.1.2.1, TS25.214 V5.11.0 S5.2.1.2.2, TS25.401 V5.10.0 S3.1, TS25.401 V5.10.0 S3.2, TS25.401 V5.10.0 S7.2.4.3, TS25.433 V5.16.0 Fig. 37, TS25.433 V5.16.0 S8.3.7.1, TS25.433 V5.16.0 S8.3.7.2, TS25.433 V5.16.0 S9.1.51, TS25.433 V5.16.0 S9.2.2.13C
BS, RNC, T	NTT DoCoMo	CN 97115469		29/07/2017	Downlink transmission power control scheme for mobile communication system using site diversity.	1, 26	TS25.214 V3.12.0 S5.2, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.401 V3.10.0 S3.1, TS25.401 V3.10.0 S7.2.4.3, TS25.433 V3.14.2 Fig. 37, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.51, TS25.433 V4.13.0 S9.1.36.1, TS25.433 V4.13.0 S9.2.2.13C
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<b>10</b>							
BS, RNC, T	NTT DoCoMo	JP 3409628		27/03/2017	CDMA communication method and group spreading modulator	1, 4, 14	TS25.201 V5.0.0 S4, TS25.211 V5.0.0 S5, TS25.212 V5.0.0 S4, TS25.213 V5.0.0 S4, TS25.213 V5.0.0 S5
BS, RNC, T	NTT DoCoMo	CA 2208085		16/06/2017	CDMA Communication Method and Group Spreading Modulator.	1	TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 Table 1, TS25.211 V3.12.0 Table 11, TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 Fig. A.1, TS25.213 V3.9.0 Figure 4, TS25.213 V3.9.0 S4.1, TS25.213 V3.9.0 S4.3.1.1, TS25.213 V3.9.0 S5.2.1
<b>11</b>							
CN, RNC, T	Mitsubishi	JP 2905155		23/04/2010 (Expired)	Voice coding apparatus used to digitally transmit or store voice	1	TS26.073 ANSI-C_source_code, TS26.073 V3.3.0 Table 1, TS26.090 V3.1.0 S4.3, TS26.090 V3.1.0 S5.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
<b>12</b>							
CN, RNC, T	Siemens	CN 131517		31/05/2020	Method and System for Verifying the Authenticity of a first Communication Participant in a Communications network	1, 5	TS33.102 V4.4.0
BS, CN, RNC, T	Siemens	JP 3924465		31/05/2020	Authenticity verification for communication network subscriber e.g. for mobile radio system	1, 4	TS33.102 V4.4.0 C.1.1.1, TS33.102 V4.4.0 C.2.2, TS33.102 V4.4.0 Figure 10, TS33.102 V4.4.0 Figure 4, TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S3.2, TS33.102 V4.4.0 S3.3, TS33.102 V4.4.0 S6.2, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3
BS, CN, RNC, T	Siemens	AU 760714		22/05/2020	Method and system for verifying the authenticity of a first communication participant in a communications network.	1, 5	TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3
BS, CN, RNC, T	Siemens	EP 1186193	DE, ES, FR, GB, IT	31/05/2020	Method and system for verifying the authenticity of a first communication participant in a communications network	1, 5	TS33.102 V4.4.0 C.1.1.1, TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S3.2, TS33.102 V4.4.0 S3.3, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3
BS, CN, RNC, T	Siemens	US 6980796		12/07/2021	Method and system for verifying the authenticity of a first communication participant in a communications network.	1, 7	TS33.102 V4.4.0 C.1.1.1, TS33.102 V4.4.0 Figure 10, TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S3.2, TS33.102 V4.4.0 S3.3, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3
BS, CN, RNC, T	Siemens	IN 202625		31/05/2020	Method and device for verifying the authenticity of a first communication subscriber in a communications network.	1, 5	TS33.102 V4.4.0 C.1.1.1, TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S3.2, TS33.102 V4.4.0 S3.3, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3
BS, CN, RNC, T	Siemens	EP 1326469	DE, ES, FR, GB, IT	31/05/2020	Method and device for checking the authenticity of service provider in a communications network	1, 9	TS33.102 V4.4.0 C.1.1.1, TS33.102 V4.4.0 Figure 12, TS33.102 V4.4.0 Figure 5, TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S3.2, TS33.102 V4.4.0 S3.3, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3, TS33.102 V4.4.0 S6.3.5
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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BS, CN, RNC, T	Siemens	JP 4272920		31/05/2020	Method and device for checking the authenticity of a first communication participant in a communications network.	1, 10	TS33.102 V4.4.0 Figure 12, TS33.102 V4.4.0 Figure 5, TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S3.3, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3, TS33.102 V4.4.0 S6.3.5
BS, CN, RNC, T	Siemens	KR 576956		31/05/2020	Method and device for checking the authenticity of a service provider in a communications network.	1, 11	TS33.102 V4.4.0 C.1.1.1, TS33.102 V4.4.0 Figure 12, TS33.102 V4.4.0 Figure 5, TS33.102 V4.4.0 Figure 7, TS33.102 V4.4.0 Figure 9, TS33.102 V4.4.0 S3.3, TS33.102 V4.4.0 S6.3.1, TS33.102 V4.4.0 S6.3.2, TS33.102 V4.4.0 S6.3.3, TS33.102 V4.4.0 S6.3.5
<b>13</b>							
CN, T	Siemens	JP 2977154		22/08/2017	Method and system to localize a subscriber in a cellular mobile communication network	1, 10	TS23.018 V4.6.0 S8.3.1, TS23.018 V4.6.0 S8.3.2, TS23.079 V4.1.0 S10.3.1, TS23.079 V4.1.0 S4.1, TS23.079 V4.1.0 S5.1
CN, T	Siemens	CN 88486		02/09/2017	Method and System for Determining the Location of a Subscriber Registered in a Mobile Communication Network	1, 10	TS23.018 V4.6.0 S8.3.1, TS23.018 V4.6.0 S8.3.2, TS23.079 V4.1.0 S1, TS23.079 V4.1.0 S10.3.1, TS23.079 V4.1.0 S4.1, TS23.079 V4.1.0 S5.1
CN, T	Siemens	DE 19635581C1		02/09/2016	Method and System for Determining the Location of a Subscriber Registered in a Mobile Communication Network	1, 10	TS23.018 V4.6.0 S8.2.1, TS23.018 V4.6.0 S8.3.1, TS23.018 V4.6.0 S8.3.2, TS23.079 V4.1.0 S1, TS23.079 V4.1.0 S10.3.1, TS23.079 V4.1.0 S4.1, TS23.079 V4.1.0 S5, TS23.079 V4.1.0 S5.1
CN, T	Siemens	US 6035198		02/09/2017	Method and System for Determining the Location of a Subscriber Registered in a Mobile Communication Network	1, 11	TS23.018 V4.6.0 S8, TS23.018 V4.6.0 S8.3.1, TS23.018 V4.6.0 S8.3.2, TS23.079 V4.1.0 S1, TS23.079 V4.1.0 S10, TS23.079 V4.1.0 S10.3.1, TS23.079 V4.1.0 S4.1, TS23.079 V4.1.0 S5, TS23.079 V4.1.0 S5.1
CN, T	Siemens	EP 0827355B1	DE, ES, FR, GB, IT	07/08/2017	Method and system for locating a mobile subscriber registered in a cellular mobile radio network	1, 10	TS23.018 V4.6.0 S8.2.1, TS23.018 V4.6.0 S8.3.1, TS23.018 V4.6.0 S8.3.2, TS23.079 V4.1.0 Fig. 3, TS23.079 V4.1.0 S1, TS23.079 V4.1.0 S10.3.1, TS23.079 V4.1.0 S4.1, TS23.079 V4.1.0 S5, TS23.079 V4.1.0 S5.1
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<b>14</b>							
CN, RNC, T	NTT DoCoMo	JP 3323421		19/06/2017	Mobile Communication System for Supporting Multiple Simultaneous Communications on Single Mobile Terminal	11, 18	TS22.135 V5.0.0 S4, TS24.007 V5.1.0 S10.1, TS24.007 V5.1.0 S11.2.3.1.3, TS24.007 V5.1.0 S4.1, TS24.007 V5.1.0 S5, TS24.007 V5.1.0 S5.2, TS24.007 V5.1.0 S6, TS24.007 V5.1.0 S6.2, TS24.007 V5.1.0 S9.1, TS24.008 V5.5.0 S10.5.4.28, TS24.008 V5.5.0 S4.1, TS24.135 V5.0.0 S4.1, TS24.135 V5.0.0 S4.1.1, TS25.331 V5.0.0 S13.4.5, TS25.331 V5.0.0 S13.4.5.8, TS25.331 V5.0.0 S5.1, TS25.331 V5.0.0 S8.5.5, TS25.331 V5.0.0 S8.5.5.1.2, TS25.331 V5.0.0 S8.5.5.4, TS25.413 V5.0.0 S8.3.1, TS25.413 V5.0.0 S8.3.2, TS25.413 V5.0.0 S8.4.1, TS25.413 V5.0.0 S9.1.5, TS25.413 V5.0.0 S9.2.1.2
CN, RNC, T	NTT DoCoMo	US 6314300		20/06/2017	MOBILE COMMUNICATION SYSTEM FOR SUPPORTING MULTIPLE SIMULTANEOUS COMMUNICATIONS ON SINGLE MOBILE TERMINAL	11, 18	TS22.135 V5.0.0 S4, TS24.007 V5.1.0 S10.1, TS24.007 V5.1.0 S11.2.3.1.3, TS24.007 V5.1.0 S4.1, TS24.007 V5.1.0 S5, TS24.007 V5.1.0 S5.2, TS24.007 V5.1.0 S6, TS24.007 V5.1.0 S6.2, TS24.007 V5.1.0 S9.1, TS24.008 V5.5.0 S10.5.4.28, TS24.008 V5.5.0 S4.1, TS24.135 V5.0.0 S4.1, TS24.135 V5.0.0 S4.1.1, TS25.331 V3.10.0 S5.1, TS25.331 V3.10.0 S8.5.5, TS25.331 V3.10.0 S8.5.5.1.2, TS25.331 V3.10.0 S8.5.5.4, TS25.331 V5.0.0 S13.4.5, TS25.413 V5.0.0 S8.3.1, TS25.413 V5.0.0 S8.3.2, TS25.413 V5.0.0 S8.4.1, TS25.413 V5.0.0 S9.1.5, TS25.413 V5.0.0 S9.2.1.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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CN, RNC, T	NTT DoCoMo	EP 0814626	DE, GB, SE	20/06/2017	Mobile Communication System for Supporting Multiple Simultaneous Communications on Single Mobile Terminal	1	TS23.135 V3.2.0 S4.2.1 Fig 5, TS23.135 V3.2.0 S4.2.1 Fig. 5, TS24.007 V3.10.0 Annex A, TS24.007 V3.10.0 S10.1, TS24.007 V3.10.0 S10.1 Fig. 10.1, TS24.007 V3.10.0 S11.2.3.1.3, TS24.007 V3.10.0 S4.1, TS24.007 V3.10.0 S5.2, TS24.007 V3.10.0 S5.2 Fig. 5.1, TS24.007 V3.10.0 S6, TS24.007 V3.10.0 S6.2, TS24.007 V3.10.0 S7.1, TS24.007 V3.10.0 S7.1.2, TS24.007 V3.10.0 S7.1.2.1, TS24.007 V3.10.0 S9.1, TS24.008 V3.19.0 S10.5.4.28, TS24.008 V3.19.0 S4.1, TS24.008 V3.19.0 S5.1.1, TS24.008 V3.19.0 S5.2.1.9, TS24.135 V3.2.0 S4.1, TS24.135 V3.2.0 S4.1.1, TS25.331 V3.21.0 S10.3.1.14, TS25.331 V3.21.0 S10.3.4.8, TS25.331 V3.21.0 S13.4.5, TS25.331 V3.21.0 S8.5.5, TS25.331 V3.21.0 S8.5.5.1.2, TS25.331 V3.21.0 S8.5.5.4, TS25.413 V3.14.0 S8.3.1, TS25.413 V3.14.0 S8.3.2, TS25.413 V3.14.0 S9.1.5, TS25.413 V3.14.0 S9.2.1.2
15							
BS, CN, RNC, T	Siemens	US 4843612		27/06/2006 (Expired)	Method for jam-resistant communication transmission	1	TS26.093 V4.0.0
16							
BS, CN, RNC, T	Mitsubishi	JP 2659605		23/04/2010 (Expired)	Voice decoding apparatus and voice coding/decoding apparatus	1, 3	TS26.073 V3.3.0, TS26.090 V3.1.0
17							
BS, T	Mitsubishi	JP 3394506		17/04/2013	Sound discrimination apparatus and sound discrimination method	1, 2	TS26.094 V3.0.0
18							
BS, T	Siemens	EP 1232583	DE, FR, GB, IT	24/11/2020	A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME	1, 6	TS25.212 V4.4.0 S4
BS, RNC, T	Siemens	JP 3787524		31/03/2026	Method for Representing non-transmitted DTX bits in a frame to be sent in compressed mode	1, 6	TS25.211 V4.4.0 S5.3.2, TS25.211 V4.4.0 Table 11, TS25.212 V4.4.0 Figure 11, TS25.212 V4.4.0 S4.2.9, TS25.212 V4.4.0 S4.3.3, TS25.212 V4.4.0 S4.3.5.2, TS25.212 V4.4.0 S4.3.5.2.2, TS25.212 V4.4.0 S4.4, TS25.212 V4.4.0 S4.4.3

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<b>19</b>							
BS, T	Siemens	EP 1232584	DE, FR, GB, IT	24/11/2020	A METHOD FOR DISPLAYING FORMAT IDENTIFIER BITS IN A COMPRESSED MODE FRAME	1, 6	TS25.211 V4.4.0 S4, TS25.212 V4.4.0 S4
T	Siemens	JP 3762892		24/11/2020	Method for representing format indicator bits in a frame to be sent in compressed mode	1	TS25.211 V4.4.0 S5.3.1, TS25.211 V4.4.0 S5.3.2, TS25.211 V4.4.0 Table 11, TS25.211 V4.4.0 Table 2, TS25.212 V4.4.0 Fig 11, TS25.212 V4.4.0 S4.3.3, TS25.212 V4.4.0 S4.3.5.2, TS25.212 V4.4.0 S4.3.5.2.1, TS25.212 V4.4.0 S4.3.5.2.2, TS25.212 V4.4.0 S4.4, TS25.212 V4.4.0 S4.4.3
T	Siemens	US 7200136		22/05/2022	Method for mapping format identification bits onto a frame which is to be transmitted using a compressed mode	1	TS25.211 V4.4.0 S5.2.1, TS25.211 V4.4.0 Table 1, TS25.211 V4.4.0 Table 2, TS25.212 V4.4.0 Fig 11, TS25.212 V4.4.0 S4.3.3, TS25.212 V4.4.0 S4.3.5.2, TS25.212 V4.4.0 S4.3.5.2.1, TS25.212 V4.4.0 S4.3.5.2.2, TS25.212 V4.4.0 S4.4, TS25.212 V4.4.0 S4.4.3
<b>20</b>							
BS, T	Mitsubishi	EP 1077576B1	DE, FR, GB	28/07/2020	Method for configuring a telecommunication system	1, 23, 26, 27	TS25.212 V3.11.0
BS, T	Mitsubishi	CN ZL00126013.8		18/08/2020	Method for configuring a telecommunication system	1, 4, 7, 9	TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.7.2.2.1, TS25.302 V3.16.0 S7.1.8
BS, T	Mitsubishi	US 7012894B2		05/06/2021	Method for configuring a telecommunication system	1, 11, 16	TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.7.2.2.1, TS25.302 V3.3.0 S7.1.8, TS25.302 V3.3.0 S7.1.9
BS, T	Mitsubishi	JP 3768501		18/08/2020	A communication method of a telecommunication system, a telecommunication system, a communication method of a base station and a base station in a telecommunication system	1, 2, 3, 4	TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.7.2.2.1
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<b>21</b>							
BS, T	Mitsubishi	US 6510137		21/08/2020	Method for Configuring a Telecommunication System	1, 12	TS25.212 V3.11.0, TS25.302 V3.3.0
BS, T	Mitsubishi	JP 3577076		16/12/2023	Method for configuring a telecommunication system	1, 3, 6, 7	TS25.212 V3.11.0
BS, T	Mitsubishi	CN 100367691C		18/08/2020	Method for configuring a telecommunication system	1, 4, 5, 6, 7	TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.7.2.1
<b>22</b>							
BS, CN, RNC, T	Mitsubishi	JP 3483958		28/10/2014	A wideband speech reconstruction method and apparatus which reconstructs speech signals from a band limited narrowband speech narrowband signal or a narrowband speech code that is coded narrowband speech signal	9, 15	TS26.190 V5.1.0
<b>23</b>							
BS, RNC, T	KPN	EP 475520B1	AT, BE, CH, DE, DK, ES, FR, GB, LI, NL, SE	06/09/2011	Method for coding an analog signal having a repetitive nature and a device for coding by said method	4	TS26.090 V3.1.0
BS, RNC, T	KPN	JP 2640595		10/09/2011	Method for coding an analog signal having a repetitive nature and a device for coding by said method	4	TS26.090 V3.1.0 S1, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S4.2, TS26.090 V3.1.0 S5.2, TS26.090 V3.1.0 S5.3, TS26.090 V3.1.0 S5.7.2
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<b>24</b>							
BS, T	NTT DoCoMo	JP 2688686		03/03/2014	Random access communication method by use of 4 CDMA, and system for mobile stations which use the method		TS25.211 V5.0.0, TS25.213 V5.0.0, TS25.214 V5.0.0
BS, T	NTT DoCoMo	EP 1298817B1	DE, GB, SE	03/03/2014	Random access communication method by use of 1, 5 CDMA, and system for mobile stations which use the method		TS25.201 V3.4.0 S4, TS25.201 V3.4.0 S4.2, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.2.1, TS25.211 V3.12.0 S5.2.2.1.1, TS25.211 V3.12.0 S7, TS25.211 V3.12.0 S7.3, TS25.213 V3.9.0 S4, TS25.213 V3.9.0 S4.3.3.1, TS25.214 V3.12.0 S4, TS25.214 V3.12.0 S4.2, TS25.214 V3.12.0 S6, TS25.214 V3.12.0 S6.1
BS, T	NTT DoCoMo	US 5581547		03/03/2014	Random access communication method by CDMA and mobile station equipment using the same	16, 19, 22, 24	TS25.201 V5.0.0 S4, TS25.201 V5.0.0 S4.2, TS25.201 V5.0.0 S4.2.1, TS25.211 V5.0.0 S5, TS25.211 V5.0.0 S5.2, TS25.211 V5.0.0 S5.2.2, TS25.211 V5.0.0 S5.2.2.1, TS25.211 V5.0.0 S5.2.2.1.1, TS25.211 V5.0.0 S7.3, TS25.213 V5.5.0 S4, TS25.213 V5.5.0 S4.3, TS25.213 V5.5.0 S4.3.3, TS25.213 V5.5.0 S4.3.3.1, TS25.213 V5.5.0 S4.3.3.2, TS25.214 S4.1, TS25.214 S6.1.2, TS25.214 V5.0.0 S4.2, TS25.214 V5.0.0 S6, TS25.214 V5.0.0 S6.1

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<b>25</b>							
BS, RNC, T	NTT DoCoMo	JP 2855171		27/12/2015	Device and method for initially synchronizing spread-spectrum code of CDMA transmission system	1, 8, 24, 25	TS25.201 V3.4.0, TS25.211 V3.12.0, TS25.213 V3.8.0, TS25.214 V3.12.0, TS25.301 V3.11.0
BS, RNC, T	NTT DoCoMo	EP 0749223	DE, FR, GB, IT, SE	27/12/2015	DEVICE AND METHOD FOR INITIALLY SYNCHRONIZING SPREADSPECTRUM CODE OF CDMA TRANSMISSION SYSTEM	1, 8, 24, 25	TS25.201 V3.4.0 S4.1.1, TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 S5.3.3.3, TS25.211 V3.12.0 S5.3.3.5, TS25.213 V3.9.0 S5.1, TS25.213 V3.9.0 S5.2.2, TS25.213 V3.9.0 S5.2.3.2, TS25.213 V3.9.0 S5.3.2, TS25.213 V5.4.0 S5.1, TS25.214 V3.12.0 Annex C, TS25.301 V3.11.0 S5.2.2
BS, RNC, T	NTT DoCoMo	US 5914943		27/12/2015	APPARATUS AND METHOD FOR ESTABLISHING ACQUISITION OF SPREADING CODE IN CDMA TRANSMISSION SYSTEM	1, 8, 24, 25	TS25.201 V3.4.0 S4.1.1, TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 Fig. 15, TS25.211 V3.12.0 Fig. 18, TS25.211 V3.12.0 S5.3.3.3, TS25.211 V3.12.0 S5.3.3.5, TS25.213 V3.8.0 Fig. 10, TS25.213 V3.8.0 Fig. 11, TS25.213 V3.8.0 Fig. 8, TS25.213 V3.8.0 Fig. 9, TS25.213 V3.8.0 S5.1, TS25.213 V3.8.0 S5.2.2, TS25.213 V3.8.0 S5.2.3.2, TS25.213 V3.8.0 S5.3.2, TS25.214 V3.12.0 Annex C, TS25.301 V3.11.0 Fig. 10, TS25.301 V3.11.0 S5.2.2
BS, RNC, T	NTT DoCoMo	CA 2,184,184		27/12/2027	Apparatus and Method for Establishing Acquisition of Spreading Code in CDMA Transmission System	1, 8, 24, 25	TS25.201 V5.3.0 S4.1.1, TS25.201 V5.3.0 S4.2.1, TS25.211 V5.8.0 Figure 15, TS25.211 V5.8.0 Figure 18, TS25.211 V5.8.0 S5.3.3.3, TS25.211 V5.8.0 S5.3.3.5, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 Figure 10, TS25.213 V5.6.0 Figure 11, TS25.213 V5.6.0 Figure 9, TS25.213 V5.6.0 S5.1, TS25.213 V5.6.0 S5.2.2, TS25.213 V5.6.0 S5.2.3.2, TS25.213 V5.6.0 S5.3.2, TS25.213 V5.6.0 Table 4, TS25.214 V5.11.0 Annex C, TS25.301 V5.6.0 S5.2.2
<b>26</b>							
BS, RNC, T	NTT DoCoMo	JP 3313595		14/11/2016	Pilot channel transmitting method in CDMA mobile communication system	3	TS25.201 V5.0.0, TS25.211 V5.0.0, TS25.212 V5.0.0, TS25.213 V5.0.0, TS25.214 V5.0.0, TS25.331 V5.0.0, TS25.401 V5.2.0
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>27</b>							
BS, CN, RNC, T	NEC	CN 99105453.9		07/04/2019	Power control method and system using idle time in mobile communication system	19, 57, 94, 121	TS25.212 V3.11.0, TS25.214 V3.12.0
BS, CN, RNC, T	NEC	JP 3534060		02/11/2018	Mobile communication system, communication control method and base station used in mobile communication system	1, 15, 29	TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 13, TS25.212 V3.11.0 Fig. 14, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.2, TS25.212 V3.11.0 S4.4.3, TS25.212 V3.11.0 S4.4.4, TS25.214 V3.12.0 S3.3, TS25.214 V3.12.0 S5.1.2.2.1, TS25.331 V3.21.0 S8.4.0
BS, CN, RNC, T	NEC	US 7203208		06/04/2019	Mobile communication system, communication control method and, base station and mobile station to be employed in the same	10, 27, 42	TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 13, TS25.212 V3.11.0 S3.1, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.2, TS25.212 V3.11.0 S4.4.3, TS25.214 V3.12.0 S5.1.2.2.1, TS25.215 V3.13.0 S6.1.1.1
<b>28</b>							
BS, CN, RNC, T	NEC	EP 1058471B1	DE, FR	30/05/2020	Mobile Telecommunication System	1, 7	TS25.331 V3.18.0 S8.3.6
<b>29</b>							
BS, RNC, T	NEC	JP 2991185		02/06/2018	Cellular communication system with soft handover and apparatus therefor	7, 13	TS25.101 V3.17.0, TS25.133 V3.17.0, TS25.201 V3.4.0, TS25.211 V3.12.0, TS25.214 V3.12.0
BS, RNC, T	NEC	KR 362074		09/06/2018	Cellular communication system with soft handover and apparatus thereof	7, 13	TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 S5.2.1, TS25.214 V3.12.0 S5.2.1.4
<b>30</b>							
BS, RNC, T	NEC	JP 3047393		16/02/2018	Base Station transmission power control during soft handover, mobile station and base station	22, 23	TS25.133 V3.17.0 S5.1.1, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.3.1, TS25.214 V3.12.0 Annex B.2, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.4.1.1, TS25.214 V3.12.0 S5.2.1.4.2, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5, TS25.214 V3.12.0 Table 5, TS25.214 V3.12.0 Table 6
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<b>31</b>							
BS, T	NEC	JP 3109589		18/03/2018	Method and apparatus for adjusting transmission power of a CDMA terminal	1, 9	TS25.201 V3.4.0, TS25.213 V3.9.0, TS25.214 V3.12.0
BS, T	NEC	EP 0944182		16/03/2019	Method and apparatus for adjusting transmission power of a CDMA terminal	1, 9	TS25.201 V3.4.0 S4.2.1, TS25.213 V3.9.0 Figure 1, TS25.213 V3.9.0 Figure 7, TS25.213 V3.9.0 S4.2.1, TS25.213 V3.9.0 S4.4.2, TS25.214 V3.12.0 S5.1.2.1, TS25.214 V3.12.0 S5.1.2.5.1
<b>32</b>							
BS, T	NEC	JP 2800618		09/02/2013	Device for encoding speech spectrum parameters with a smallest possible number of bits	1	TS26.190 V5.1.0, TS26.204 V5.2.0
BS, T	NEC	EP 0610906	DE, FR, GB, IT, NL, SE	09/02/2014	Device for encoding speech spectrum parameters with a smallest possible number of bits	1	TS26.190 V5.1.0 Fig. 2, TS26.190 V5.1.0 S4.3, TS26.190 V5.1.0 S5.2, TS26.190 V5.1.0 S5.2.1, TS26.190 V5.1.0 S5.2.2, TS26.190 V5.1.0 S5.2.5, TS26.204 V5.2.0 S1
BS, T	NEC	US 5625744		29/04/2014	SPEECH PARAMETER ENCODING DEVICE WHICH INCLUDES A DIVIDING CIRCUIT FOR DIVIDING A FRAME SIGNAL OF AN INPUT SPEECH SIGNAL INTO SUBFRAME SIGNALS AND FOR OUTPUTTING A LOW RATE OUTPUT CODE SIGNAL	1	TS26.190 V5.1.0 S4.3, TS26.190 V5.1.0 S5.2, TS26.190 V5.1.0 S5.2.1, TS26.190 V5.1.0 S5.2.2, TS26.190 V5.1.0 S5.2.5, TS26.204 V5.2.0 S1
<b>33</b>							
BS, RNC, T	Mitsubishi	JP 3499500		21/04/2020	Method for balancing the ratio Eb/I in a service multiplexing CDMA system and telecommunications systems using this method	1, 7, 8, 13	TS25.212 V3.11.0, TS25.331 V3.18.0
BS, RNC, T	Mitsubishi	CN ZL00118065.7		20/04/2020	Method and mobile station for performing rate matching for uplink in a cdma system	1, 5	TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.214 V3.12.0 S5.1.2.2.1, TS25.331 V3.21.0 S10.2.27, TS25.331 V3.21.0 S10.3.5.11, TS25.331 V3.21.0 S10.3.5.2, TS25.331 V3.21.0 S10.3.5.23, TS25.331 V3.21.0 S8.2.1, TS25.331 V3.21.0 S8.2.2
BS, RNC, T	Mitsubishi	US 6501748		20/04/2020	Method for balancing the ratio Eb/I in a service Multiplexing CDMA system and telecommunication systems using same	1, 12, 13	TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8, TS25.331 V3.21.0 S10.3.5.11, TS25.331 V3.21.0 S8.2.1, TS25.331 V3.21.0 S8.2.2
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<b>34</b>							
BS, T	Mitsubishi	JP 3524087		21/04/2020	Method for balancing the ratio Eb/I in a service multiplexing CDMA system and telecommunications systems using this method	1, 7, 13	TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.1, TS25.212 V3.11.0 S4.2.7.1.1, TS25.331 V3.18.0 S10.3.5.11, TS25.331 V3.18.0 S8.2.1, TS25.331 V3.18.0 S8.2.2
BS, T	Mitsubishi	EP 1385290B1	DE, FR, GB	20/04/2020	Method for balancing eb/I in a service multiplexing cdma system and telecommunication system using this method	1, 7, 13, 15	TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.1, TS25.212 V3.11.0 S4.2.7.1.1, TS25.331 V3.18.0 S10.3.5.11, TS25.331 V3.18.0 S8.2.1, TS25.331 V3.18.0 S8.2.2
BS, T	Mitsubishi	CN 100553181		20/04/2020	Method and apparatus for configuring a channel of a Code Division Multiple Access type telecommunication system.	1, 7, 13	TS25.212 V3.11.0 S10.3.5.11, TS25.212 V3.11.0 S3.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.1.1, TS25.331 V3.18.0 Figure 8.2.2-3, TS25.331 V3.18.0 S8.2.1, TS25.331 V3.18.0 S8.2.2
<b>35</b>							
T	Sharp	JP 3559034		21/08/2022	Transmission of additional dedicated physical control channel (ADPCCH) in W-CDMA system	1, 11, 21	TS25.213 V5.5.0
<b>36</b>							
BS, CN, RNC, T	Mitsubishi	JP 3560964		28/10/2014	Wideband speech reconstruction apparatus and method reconstructing a wideband speech signal from a narrow band speech code	1, 3	TS26.190 V5.1.0
<b>37</b>							
BS, RNC, T	NTT DoCoMo	JP 3014308		23/10/2015	Transmission power control scheme for mobile communication system	15, 16, 17, 18, 19, 20	TS25.214 V5.0.0, TS25.215 V5.0.0, TS25.301 V5.0.0, TS25.331 V5.0.0, TS25.427 V5.0.0
<b>38</b>							
BS, RNC, T	NTT DoCoMo	JP 3496721		25/12/2017	Frame transmitter-receiver	14, 15, 20, 22	TS25.301 V3.11.0 S5, TS25.402 V3.10.0 S4, TS25.402 V3.10.0 S6, TS25.402 V3.10.0 S7, TS25.427 V3.11.0 S6
<b>39</b>							
BS, T	Mitsubishi	JP 3554969		18/08/2020	Method for balancing the ratio Eb/I in a service multiplexing CDMA system and telecommunication systems using this method	1, 5, 6	TS25.212 V3.11.0 S3, TS25.212 V3.11.0 S4
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<b>40</b>							
BS, T	NTT DoCoMo	EP 1030455B1	DE, FR, GB, IT	18/02/2020	Interleaving method, interleaving apparatus, turbo encoding method, and turbo encoder	1, 10	TS25.212 V3.11.0 S4.2.3.2.3, TS25.212 V3.11.0 S4.2.3.2.3.1, (1) (2), TS25.212 V3.11.0 S4.2.3.2.3.2 (1) (2) (5) (6), TS25.212 V3.11.0 S4.2.3.2.3.3
BS, T	NTT DoCoMo	JP 3515036		18/02/2020	Interleaving method, interleaving apparatus, turbo encoding method, and turbo encoder	1, 8	TS25.212 V3.11.0 S4, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.3.2, TS25.212 V3.11.0 S4.2.3.2.3, TS25.212 V3.11.0 S4.2.3.2.3.1, TS25.212 V3.11.0 S4.2.3.2.3.2, TS25.212 V3.11.0 S4.2.3.2.3.3
BS, T	NTT DoCoMo	US 6553516		18/02/2020	Interleaving Method, Interleaving Apparatus, Turbo Encoding Method, and Turbo Encoder	40, 42	TS25.212 V5.0.0 S4, TS25.212 V5.0.0 S4.2, TS25.212 V5.0.0 S4.2.3, TS25.212 V5.0.0 S4.2.3.2, TS25.212 V5.0.0 S4.2.3.2.3, TS25.212 V5.0.0 S4.2.3.2.3.1, TS25.212 V5.0.0 S4.2.3.2.3.2, TS25.212 V5.0.0 S4.2.3.2.3.3
BS, T	NTT DoCoMo	AU 738693	AU	18/02/2020	Interleaving Method, Interleaving Apparatus, Turbo Encoding Method, and Turbo Encoder	1, 14	TS25.212 V3.11.0 S4.2.3.2.3, TS25.212 V3.11.0 S4.2.3.2.3.1, TS25.212 V3.11.0 S4.2.3.2.3.2
BS, T	NTT DoCoMo	SG 80092		18/02/2020	Interleaving Method, Interleaving Apparatus, Turbo Encoding Method, and Turbo Encoder.	1, 14	TS25.212 V3.11.0 S4.2.3.2.3, TS25.212 V3.11.0 S4.2.3.2.3.1, TS25.212 V3.11.0 S4.2.3.2.3.2
<b>41</b>							
BS, RNC, T	NTT DoCoMo	JP 2927683		22/07/2014	Transmission system for broadcasting information in mobile communication system	1	TS25.301 V3.11.0 S5, TS25.331 V3.16.0 S10, TS25.331 V3.16.0 S8, TS25.401 V3.10.0 S7
<b>42</b>							
BS, RNC, T	NTT DoCoMo	JP 2939114		27/04/2014	Mobile communication handover method, Mobile Station, and Base Station	1, 3	TS23.009 V3.13.0 S5, TS23.009 V4.7.0 S5, TS23.009 V5.4.0 S5, TS25.133 V3.9.0 S5, TS25.133 V4.4.0 S5, TS25.133 V5.2.0 S5, TS25.201 V3.3.0 S4, TS25.201 V4.2.0 S4, TS25.201 V5.0.0 S4, TS25.211 V3.10.0 S5, TS25.211 V4.4.0 S5, TS25.211 V5.0.0 S5, TS25.213 V3.7.0 S5, TS25.213 V4.2.0 S5, TS25.213 V5.0.0 S5, TS25.214 V3.10.0 S4, TS25.214 V4.4.0 S4, TS25.214 V5.0.0 S4, TS25.331 V3.10.0 S10, TS25.331 V3.10.0 S14, TS25.331 V3.10.0 S8, TS25.331 V4.4.0 S10, TS25.331 V4.4.0 S14, TS25.331 V4.4.0 S8, TS25.331 V5.0.0 S10, TS25.331 V5.0.0 S14, TS25.331 V5.0.0 S8, TS25.401 V3.9.0 S3, TS25.401 V4.3.0 S3, TS25.401 V5.2.0 S3, TS25.430 V3.8.0 S5, TS25.430 V4.4.0 S5, TS25.430 V5.2.0 S5
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43 BS, RNC, T	NTT DoCoMo	JP 2939116		27/04/2014	Mobile communication handover method, Mobile Station and Base Station	1, 3	TS23.009 V5.4.0 S5, TS25.133 V5.2.0 S5, TS25.201 V5.0.0 S4, TS25.211 V5.0.0 S5, TS25.213 V5.0.0 S5, TS25.214 V5.0.0 Annex C, TS25.214 V5.0.0 S4, TS25.215 V5.0.0 S5, TS25.331 V5.0.0 S10, TS25.331 V5.0.0 S14, TS25.331 V5.0.0 S8, TS25.401 V5.2.0 S3, TS25.430 V5.2.0 S5
44 BS, RNC, T	NTT DoCoMo	JP 3312997		20/07/2014	Switching over apparatus of communication channels	1	TS25.301 V3.11.0 S5, TS25.303 V3.12.0 S5.2, TS25.303 V3.12.0 S5.3.2, TS25.303 V3.12.0 S5.3.3, TS25.303 V3.12.0 S6, TS25.303 V3.12.0 S7, TS25.321 V3.16.0 S11.1, TS25.331 V3.16.0 S10.2.50, TS25.331 V3.16.0 S14.4.1, TS25.331 V3.16.0 S14.4.2.1
45 BS, RNC, T	NTT DoCoMo	JP 3313573		05/04/2016	Synchronization establishing method of spreading code in mobile communication system, Mobile Station, and Base Station	1, 10	TS25.211 V5.0.0 S7.6.3, TS25.215 V5.0.0 S5.1, TS25.331 V5.0.0 S10.3.7.6, TS25.331 V5.0.0 S14.1.2, TS25.331 V5.0.0 S14.1.6, TS25.402 V5.0.0 S5, TS25.402 V5.0.0 S8.2.1 with Fig. 15
46 T	NTT DoCoMo	JP 3421210		18/04/2023	Signal Transmission Method and Signal Transmission Apparatus in CDMA Mobile Communication System	3, 4	TS25.201 V5.0.0, TS25.211 V5.0.0, TS25.212 V5.0.0, TS25.213 V5.0.0, TS25.214 V5.0.0
47 T	Sharp	JP 3588104		21/08/2022	Transmission of Additional Dedicated Physical Control CHannel (ADPCCH) in W-CDMA system	1, 11	TS25.213 V5.5.0
48 T	Sharp	JP 3588105		21/08/2022	Transmission of Additional Dedicated Physical Control CHannel (ADPCCH) in W-CDMA system	1, 11	TS25.213 V5.5.0 S4
49 BS, RNC, T	Mitsubishi	EP 1047219	DE, FR, GB	20/04/2020	Method for balancing the ratio Eb/I in a service multiplexing CDMA system and telecommunication systems using same	1, 7, 8, 12	TS25.212 V3.11.0 S3.2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.13, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8, TS25.331 V3.18.0 S10.2.27, TS25.331 V3.18.0 S10.3.5, TS25.331 V3.18.0 S8.2.2

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<b>50</b>							
BS, CN, RNC, T	Mitsubishi	JP 3598111		28/10/2014	Wideband Speech Reconstruction Apparatus, Wideband Speech Reconstruction Method, Speech Transmission System, and Speech Transmission Method	1, 2	TS26.190 V5.1.0 S6, TS45.009 V5 S3, TS45.009 V5 S3.1, TS45.009 V5 S3.1.1, TS45.009 V5 S5
<b>51</b>							
BS, CN, RNC, T	Mitsubishi	JP 3598112		28/10/2014	Wideband Speech Reconstruction Apparatus, Wideband Speech Reconstruction Method, Speech Transmission System, and Speech Transmission Method	1, 2	TS26.190 V5.1.0 S6, TS26.190 V5.1.0 S8, TS45.009 V5 S3, TS45.009 V5 S3.1, TS45.009 V5 S3.1.1, TS45.009 V5 S5
<b>52</b>							
BS, T	Fujitsu	JP 3380862		18/03/2013	Base Station and Remote Station	1, 4	TS25.101 V3.17.0 S6.2.1, TS25.201 V3.4.0 S4.1.1, TS25.212 V3.11.0 S4.2.7.1.1, TS25.213 V3.9.0 S4, TS25.306 V3.10.0 S4, TS25.331 V3.20.0 S10.3.6.18
<b>53</b>							
BS, T	Fujitsu	JP 3257984		30/10/2018	Interleaving method and apparatus, de-interleaving method and apparatus, and interleaving/de-interleaving system and apparatus	31	TS25.211 V3.10.0 S5, TS25.212 V3.9.0 S4, TS25.213 V3.7.0 S4, TS25.213 V3.7.0 S5
BS, T	Fujitsu	US 6971050		29/04/2019	INTERLEAVING METHOD AND APPARATUS, DE-INTERLEAVING METHOD AND APPARATUS, AND INTERLEAVING/ DE-INTERLEAVING SYSTEM AND APPARATUS	53	TS25.212 V3.9.0 Fig. 1, TS25.212 V3.9.0 Fig. 2, TS25.212 V3.9.0 S4.2, TS25.212 V3.9.0 S4.2.5.2
T	Fujitsu	US 7146545		29/04/2019	Interleaving Method and Apparatus, De-Interleaving Method and Apparatus, and Interleaving/De-Interleaving System and Apparatus.	13	TS25.212 V3.9.0 Fig. 1, TS25.212 V3.9.0 Fig. 2, TS25.212 V3.9.0 S4.2, TS25.212 V3.9.0 S4.2.5.2
<b>54</b>							
BS, T	Fujitsu	JP 3479935		19/08/2018	Handover method in CDMA mobile communication system	8	TS25.133 V3.19.0 S5.2.2.2, TS25.215 V3.12.0 S5.1.8, TS25.402 V3.10.0 S8.2, TS25.402 V3.10.0 S9.3.2
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>55</b>							
T	Fujitsu	EP 1078547	DE, FI, FR, GB, IT, SE	28/04/2019	SOFT HAND-OFF IN CELLULAR MOBILE COMMUNICATIONS NETWORKS	8	TR25.990 V3.0.0 S3, TR25.990 V3.0.0 S4.21, TR25.990 V3.0.0 S4.3, TR25.990 V3.0.0 S4.6, TS25.214 V3.9.0 S5.2.1.4, TS25.214 V3.9.0 S5.2.1.4.1, TS25.214 V3.9.0 S5.2.1.4.3, TS25.214 V3.9.0 S5.2.1.4.4
BS, T	Fujitsu	EP 1094680	DE, FR, GB	14/12/2019	Base station selection in a cellular mobile communication network	3	TS25.214 V3.12.0 S5.2.1.4, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5
T	Fujitsu	JP 3949608		28/04/2019	Cellular Mobile Communications Networks	2	TR25.990 V3.0.0 S3, TR25.990 V3.0.0 S4, TS25.214 V3.12.0 S5.1.2.2.3.2, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5
T	Fujitsu	CN 99806160		28/04/2019	Base station selection in a cellular mobile communication network.	2	TR25.990 V3.0.0 S3, TR25.990 V3.0.0 S4, TS25.214 V3.12.0 S5.1.2.2.3.2, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5, TS25.214 V3.12.0 Table 6
BS, T	Fujitsu	KR 10-0619658		28/04/2019	Base station selection in a cellular mobile communication network.	3	TS25.214 V3.12.0 S5.2.1.4, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5, TS25.214 V3.12.0 Table 6
<b>56</b>							
BS, RNC, T	Mitsubishi	EP 1156616	DE, FR, GB	06/08/2021	Method for balancing the ratio Eb/I in a service multiplexing CDMA system and telecommunication system using this method	1, 5, 10, 12	TS25.212 V3.11.0 S4.2, TS25.301 V3.11.0 S5.2.2, TS25.301 V3.11.0 S5.4.2, TS25.331 V3.20.0 S10.2.27, TS25.331 V3.20.0 S10.3.6.88, TS25.331 V3.20.0 S8.2.2, TS25.401 V3.10.0 S7.1
BS, RNC, T	Mitsubishi	JP 3617480		10/08/2021	Method for balancing the ratio Eb/I in a service multiplexing CDMA system and telecommunication system using this method	1, 5, 11, 12	TS25.212 V3.11.0 S4.2, TS25.301 V3.11.0 S5.2.2, TS25.301 V3.11.0 S5.4.2, TS25.331 V3.20.0 S10.2.27, TS25.331 V3.20.0 S10.3.6.18, TS25.331 V3.20.0 S10.3.6.88, TS25.331 V3.20.0 S8.2.1, TS25.331 V3.20.0 S8.2.2, TS25.401 V3.10.0 S7.1
T	Mitsubishi	CN 100394713		20/04/2020	Method for configuring code division multiple access communications system and mobile station, and a mobile station	3, 5	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.1.1, TS25.331 V3.18.0 Figure 8.2.2-3, TS25.331 V3.18.0 S10.2.27, TS25.331 V3.18.0 S10.3.6.88, TS25.331 V3.18.0 S8.2.1, TS25.331 V3.18.0 S8.2.2
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>57</b>							
BS, T	Mitsubishi	EP 1184992	DE, ES, FI, FR, GB, IT, PT, SE	05/03/2019	Spread spectrum communication device and spread spectrum communication method	1, 3	TS25.101 V3.13.0 Annex A.5D Table A.22, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 14(1), TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S1, TS25.212 V3.11.0 S4, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.3.1, TS25.212 V3.11.0 S4.4.3.2
BS, T	Mitsubishi	KR 10-0422606		05/03/2019	Spread spectrum communication device and spread spectrum communication method	1, 4	TS25.101 V3.13.0 Annex A.5, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.3, TS25.212 V3.11.0 S4.4.4
BS, T	Mitsubishi	CN 100492930		05/03/2019	Spread spectrum communication apparatus and spread spectrum communication method	1, 5	TS25.101 V3.13.0 Annex A.5 Table A.22, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 14(1), TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S1, TS25.212 V3.11.0 S4, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.12.1, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.3, TS25.212 V3.11.0 S4.4.3.1, TS25.212 V3.11.0 S4.4.3.2
<b>58</b>							
BS, T	Mitsubishi	EP 0798872B1	DE, FR, GB	21/03/2017	CDMA mobile communications system With effect from 1 July 2010 the effective ownership of this patent has been transferred to Sony Corporation : the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license	* 1	TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.6
BS, T	Mitsubishi	KR 10-0223364		21/03/2017	CDMA mobile communications system With effect from 1 July 2010 the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license	* 1	TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.6
<b>59</b>							
BS, CN, RNC, T	Fujitsu	JP 2084950		09/09/2006 (Expired)	Decoder and coding transmission equipment	1	TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S6, TS26.090 V3.1.0 S6.2.1, TS45.009 V5 S2, TS45.009 V5 S3, TS45.009 V5 S3.1.1
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<b>60</b>							
BS, T	Fujitsu	JP 3192839		20/09/2013	METHOD OF DETERMINING INITIAL TRANSMISSION POWER	17	TS25.211 V3.12.0 S7.3, TS25.213 V3.7.0 S4.3.2.2, TS25.213 V3.7.0 S4.3.2.5, TS25.213 V3.7.0 S4.3.3.2, TS25.214 V3.12.0 S6.1
<b>61</b>							
T	Fujitsu	JP 2908950		22/12/2012	RADIO COMMUNICATION SYSTEM SEARCHING METHOD	1	TS23.122 V3.7.0 S2, TS23.122 V3.7.0 S4.4.2, TS23.122 V3.7.0 S4.4.3.1.1
<b>62</b>							
RNC, T	Fujitsu	JP 3040870		18/02/2012	DIGITAL MOBILE TELEPHONE SYSTEM HAVING OVERLAY CONFIGURATION	2	TR25.922 V3.7.0 S4.3.2.1, TS25.303 V3.12.0 S6.4.7, TS25.305 V3.11.0 S5, TS25.305 V3.11.0 S5.1, TS25.331 V3.21.0 S14.2.1
BS, RNC, T	Fujitsu	EP 0549811	DE, FR, GB, SE	15/07/2012	DIGITAL MOBILE TELEPHONE SYSTEM HAVING OVERLAY CONFIGURATION	15	TR25.922 V3.7.0 Fig. 4.1, TR25.922 V3.7.0 S4.3.2.1, TS25.303 V3.12.0 Fig. 33, TS25.303 V3.12.0 S6.4.7, TS25.305 V3.11.0 Fig. 5.1, TS25.305 V3.11.0 S5, TS25.331 V3.21.0 S14.2.1, TS25.331 V3.21.0 S14.2.1.3
BS, RNC, T	Fujitsu	US 6067455		15/07/2012	Digital mobile telephone system having overlay configuration.	13	TR25.922 V3.7.0 Fig. 4.1, TR25.922 V3.7.0 S4.3.2.1, TS25.303 V3.12.0 Fig. 33, TS25.303 V3.12.0 S6.4.7, TS25.305 V3.11.0 Fig. 5.1, TS25.305 V3.11.0 S5, TS25.331 V3.21.0 S14.2.1, TS25.331 V3.21.0 S14.2.1.3
<b>63</b>							
BS, T	Fujitsu	JP 3282319		12/11/2013	Mobile Communication System, Radio Base Station and Mobile Terminal Thereof	1	TS25.133 V3.19.0 S4, TS25.133 V3.19.0 S9.1.1.1, TS25.133 V3.19.0 S9.1.1.1.2, TS25.211 V3.10.0 S5.3.3, TS25.211 V3.10.0 S5.3.3.1, TS25.211 V3.10.0 S5.3.3.1.1, TS25.304 V3.14.0 S4.3, TS25.304 V3.14.0 S5.2.3.1.2, TS25.305 V3.11.0 S5, TS25.305 V3.11.0 S5.1, TS25.305 V3.11.0 S5.2.2, TS25.331 V3.20.0 S8.5.5.1
<b>64</b>							
BS, T	Fujitsu	JP 3348274		11/10/2014	Site Diversity System, Base Station, Mobile Station, and Communication Control Method	13	TS25.213 V3.19.0 S5.1, TS25.214 V3.10.0 S4.3.4, TS25.215 V3.12.0 S5.1.10, TS25.331 V3.20.0 S14.6.2.6

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>65</b>							
CN, T	NTT DoCoMo	JP 3540588		07/01/2018	Mobile Packet Communication Network, Mobile Communication Terminal, and Packet Switching Method	1, 3	TS22.060 V3.5.0 S7, TS22.060 V3.5.0 S7.9, TS23.060 V3.16.0 S13, TS23.060 V3.16.0 S13.2, TS23.060 V3.16.0 S14, TS23.060 V3.16.0 S14.4 Annex A, TS23.060 V3.16.0 S4, TS23.060 V3.16.0 S5, TS23.060 V3.16.0 S5.1, TS23.060 V3.16.0 S5.4, TS23.060 V3.16.0 S5.4.1, TS23.060 V3.16.0 S9, TS23.060 V3.16.0 S9.2, TS23.060 V3.16.0 S9.2.2, TS23.060 V3.16.0 S9.2.2.1, TS29.061 V3.14.0 S11, TS29.061 V3.14.0 S11.2, TS32.200 V4.5.0 S4, TS32.200 V4.5.0 S4.1, TS32.215 V4.8.0 S4.3, TS32.215 V4.8.0 S5, TS32.215 V4.8.0 S5.20, TS32.215 V4.8.0 S5.6
<b>66</b>							
BS, RNC, T	NTT DoCoMo	JP 3370926		11/03/2018	Mobile station position estimation method, base station and mobile station for cellular mobile communication	1, 10, 19	TR21.905 V3.3.0 S3, TS25.133 V3.17.0 S9.1.9.2.1, TS25.133 V3.17.0 S9.2.8.1, TS25.133 V3.17.0 Table 9.27, TS25.133 V3.17.0 Table 9.49, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.215 V3.12.0 S5, TS25.215 V3.12.0 S5.1.10, TS25.215 V3.12.0 S5.2.8, TS25.301 V3.11.0 S5.2.11, TS25.305 V3.11.0 Fig. 9.1, TS25.305 V3.11.0 Fig. 9.2, TS25.305 V3.11.0 S4.2, TS25.305 V3.11.0 S5, TS25.305 V3.11.0 S9, TS25.305 V3.11.0 S9.6
BS, RNC, T	NTT DoCoMo	US 6181944		13/03/2018	MOBILE STATION POSITION ESTIMATION SCHEME FOR CELLULAR MOBILE COMMUNICATION SYSTEM	13, 33, 39	TR21.905 V3.3.0 S3, TS25.133 V3.17.0 S3, TS25.133 V3.17.0 S9.1.9, TS25.133 V3.17.0 S9.1.9.2, TS25.133 V3.17.0 S9.1.9.2.1, TS25.133 V3.17.0 S9.2, TS25.133 V3.17.0 S9.2.8.1, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3, TS25.211 V3.12.0 S5.3.2, TS25.215 V3.12.0 S5.1, TS25.215 V3.12.0 S5.1.10, TS25.215 V3.12.0 S5.2, TS25.215 V3.12.0 S5.2.8, TS25.301 V3.11.0 S5, TS25.301 V3.11.0 S5.2, TS25.301 V3.11.0 S5.2.1, TS25.301 V3.11.0 S5.2.1.1, TS25.305 V3.11.0 S5, TS25.305 V3.11.0 S9, TS25.305 V3.11.0 S9.6
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<b>67</b>							
BS, RNC, T	NTT DoCoMo	JP 2966296		14/10/2014	Transmission power control method	1	TR21.905 V5.2.0 Def. of Macro Diversity Handover, TS25.133 V5.0.0 S5.1.1, TS25.214 V5.0.0 Annex B2, TS25.214 V5.0.0 S5.1.2.2.1, TS25.214 V5.0.0 S5.1.2.2.2, TS25.214 V5.0.0 S5.2.1.2.1, TS25.301 V5.0.0 S5.2.2, TS25.331 V5.0.0 S14.9.1, TS25.331 V5.0.0 S5.1.1, TS25.401 V5.2.0 S6, TS25.401 V5.2.0 S6 Figure 5, TS25.401 V5.2.0 S7.2.4.3, TS25.402 V5.0.0 S7.1, TS25.402 V5.0.0 S7.1 Fig. 9, TS25.427 V5.0.0 S5.4, TS25.427 V5.0.0 S6.2.4.5
<b>68</b>							
BS, RNC, T	NTT DoCoMo	JP 3415018		07/01/2018	Method and Apparatus for Controlling Multiple Calls/Connections	1	TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S6.1, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.8, TS25.213 V3.9.0 S4.2.1, TS25.213 V3.9.0 S4.3.1.2, TS25.331 V3.18.0 S1, TS25.331 V3.18.0 S10.2, TS25.331 V3.18.0 S10.2.33, TS25.331 V3.18.0 S10.3.6, TS25.331 V3.18.0 S10.3.6.88, TS25.331 V3.18.0 S5.2.8, TS25.331 V3.18.0 S8.6.6.6, TS25.413 V3.14.0 S8.2, TS25.413 V3.14.0 S8.2.1, TS25.413 V3.14.0 S8.6, TS25.413 V3.14.0 S9.1.3, TS25.413 V3.14.0 S9.2.1.2, TS25.413 V3.14.0 S9.2.1.28, TS34.108 V3.14.0 S1, TS34.108 V3.14.0 S6.10, TS34.108 V3.14.0 S6.10.2.4.1, TS34.108 V3.14.0 S6.10.2.4.1.38
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<b>69</b>							
BS, T	Mitsubishi	KR 10-0429087		05/03/2019	Spread spectrum communication device and spread communication method	1, 9	TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.214 V5.4.0 S5.1, TS25.214 V5.4.0 S5.1.2.1, TS25.214 V5.4.0 S5.1.2.2, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 S5.2, TS25.214 V5.4.0 S5.2.1.2, TS25.214 V5.4.0 S5.2.1.2.2, TS25.214 V5.4.0 S5.2.1.3
BS, T	Mitsubishi	US 6680927B2		05/03/2019	Spread spectrum communication device and spread communication method	9, 12	TS25.212 V5.3.0 S4.4, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 S5.2.1.2.1, TS25.214 V5.4.0 S5.2.1.2.2
BS, T	Mitsubishi	EP 1187358B1	DE, ES, FI, FR, GB, IT, PT, SE	05/03/2019	Spread spectrum communication device and spread communication method	1, 3	TS25.211 V5.4.0 S5, TS25.212 V5.3.0 S4, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.212 V5.3.0 S4.4.1, TS25.212 V5.3.0 S4.4.2, TS25.214 V5.4.0 S5, TS25.214 V5.4.0 S5.1, TS25.214 V5.4.0 S5.1.2.2, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.3
BS, T	Mitsubishi	CN 100512033		05/03/2019	Spread spectrum communication device and spread spectrum communication method	1, 2	TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 S3.1, TS25.212 V5.3.0 S4.4, TS25.214 V5.4.0 S5.1.2.1, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 S5.2.1.2, TS25.214 V5.4.0 S5.2.1.2.1, TS25.214 V5.4.0 S5.2.1.2.2, TS25.214 V5.4.0 S5.2.1.3, TS25.214 V5.4.0 Table 2
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<b>70</b>							
BS, RNC, T	NTT DoCoMo	US 6728227		03/06/2018	MOBILE RADIO COMMUNICATION SYSTEM, MOBILE STATION, AND METHOD FOR CONTROLLING DIVERSITY HANDOVER BRANCH	2	TS25.133 V3.18.0 S5.1.1, TS25.133 V3.18.0 S8.1.2.2, TS25.133 V3.18.0 S8.1.2.2.1, TS25.303 V3.12.0 S6.4.4, TS25.331 V3.19.0 S10.2.17, TS25.331 V3.19.0 S10.2.19, TS25.331 V3.19.0 S10.2.48.8.14, TS25.331 V3.19.0 S10.2.48.8.15, TS25.331 V3.19.0 S10.3.7.33, TS25.331 V3.19.0 S10.3.7.35, TS25.331 V3.19.0 S10.3.7.36, TS25.331 V3.19.0 S10.3.7.40, TS25.331 V3.19.0 S10.3.7.44, TS25.331 V3.19.0 S10.3.7.47, TS25.331 V3.19.0 S13.4.0, TS25.331 V3.19.0 S8 table 1.1, TS25.331 V3.19.0 S8.3.4.1, TS25.331 V3.19.0 S8.3.4.2, TS25.331 V3.19.0 S8.4.0, TS25.401 V3.10.0 S3.1, TS25.401 V3.10.0 S6, TS25.426 V3.9.0 S4.1, TS25.426 V3.9.0 S4.2, TS25.430 V3.8.0 S5.2.6.2
BS, RNC, T	NTT DoCoMo	EP 0935400	DE, FR, GB, IT, SE	03/06/2018	MOBILE RADIO COMMUNICATION SYSTEM, MOBILE STATION, AND METHOD FOR CONTROLLING DIVERSITY HAND-OVER BRANCH	1, 6	TS25.133 V3.21.0 S5.1.1, TS25.133 V3.21.0 S8.1.2.2, TS25.133 V3.21.0 S8.1.2.2.1, TS25.211 V3.12.0 S5.3.3.1.1, TS25.215 V3.13.0 S5.1.1, TS25.215 V3.13.0 S5.1.5, TS25.331 V3.21.0 S10.2.17, TS25.331 V3.21.0 S10.2.19, TS25.331 V3.21.0 S10.2.48.8.15, TS25.331 V3.21.0 S10.3.7.33, TS25.331 V3.21.0 S10.3.7.35, TS25.331 V3.21.0 S10.3.7.36, TS25.331 V3.21.0 S10.3.7.40, TS25.331 V3.21.0 S10.3.7.44, TS25.331 V3.21.0 S10.3.7.47, TS25.331 V3.21.0 S13.4.0, TS25.331 V3.21.0 S8 Table 8.1.1, TS25.331 V3.21.0 S8.3.4.1, TS25.331 V3.21.0 S8.3.4.2, TS25.331 V3.21.0 S8.4.0, TS25.401 V3.10.0 S3.1, TS25.430 V3.8.0 S5.2.6.2
BS, RNC, T	NTT DoCoMo	US 7403777		02/09/2019	Mobile communication system, mobile station and diversity handover branch control method.	1	TS25.133 V3.22.0 S5.1.1, TS25.133 V3.22.0 S8.1.2.2, TS25.133 V3.22.0 S8.1.2.2.1, TS25.211 V3.12.0 S5.3.3.1.1, TS25.215 V3.13.0 S5.1.1, TS25.215 V3.13.0 S5.1.5, TS25.331 V3.21.0 S10.2.17, TS25.331 V3.21.0 S10.2.19, TS25.331 V3.21.0 S10.2.48.8.14, TS25.331 V3.21.0 S10.2.48.8.15, TS25.331 V3.21.0 S10.3.7.33, TS25.331 V3.21.0 S10.3.7.35, TS25.331 V3.21.0 S10.3.7.36, TS25.331 V3.21.0 S10.3.7.40, TS25.331 V3.21.0 S10.3.7.44, TS25.331 V3.21.0 S10.3.7.47, TS25.331 V3.21.0 S13.4.0, TS25.331 V3.21.0 S8 Table 8.1.1, TS25.331 V3.21.0 S8.3.4.1, TS25.331 V3.21.0 S8.3.4.2, TS25.331 V3.21.0 S8.4.0, TS25.401 V3.10.0 S3.1, TS25.401 V3.10.0 S6, TS25.430 V3.8.0 S5.2.6.2
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BS, RNC, T	NTT DoCoMo	CN 98800762		03/06/2018	Mobile Radio Communication System, Mobile Station, and Method for Controlling Diversity Hand-over Branch	1, 4, 7	TS25.133 V3.21.0 S5.1.1, TS25.133 V3.21.0 S8.1.2.2, TS25.133 V3.21.0 S8.1.2.2.1, TS25.215 V3.13.0 S5.1.1, TS25.215 V3.13.0 S5.1.5, TS25.331 V3.21.0 S10.2.17, TS25.331 V3.21.0 S10.2.19, TS25.331 V3.21.0 S10.2.48.8.14, TS25.331 V3.21.0 S10.2.48.8.15, TS25.331 V3.21.0 S10.3.7.33, TS25.331 V3.21.0 S10.3.7.35, TS25.331 V3.21.0 S10.3.7.36, TS25.331 V3.21.0 S10.3.7.40, TS25.331 V3.21.0 S10.3.7.44, TS25.331 V3.21.0 S10.3.7.47, TS25.331 V3.21.0 S13.4.0, TS25.331 V3.21.0 S8 Table 8.1.1, TS25.331 V3.21.0 S8.3.4.1, TS25.331 V3.21.0 S8.3.4.2, TS25.331 V3.21.0 S8.4.0, TS25.401 V3.10.0 S3.1, TS25.430 V3.8.0 S5.2.6.2
BS, RNC, T	NTT DoCoMo	CA 2262960		03/06/2018	Mobile Radio Communication System, Mobile Station, and Method for Controlling Diversity Handover Branch	4, 7, 19	TS25.133 V5.18.0 S5.1.1, TS25.133 V5.18.0 S8.1.2.2, TS25.133 V5.18.0 S8.1.2.2.1, TS25.213 V5.6.0 S5.2.2, TS25.215 V5.7.0 S5.1.1, TS25.215 V5.7.0 S5.1.5, TS25.331 V5.24.0 S10.2.17, TS25.331 V5.24.0 S10.2.19, TS25.331 V5.24.0 S10.2.48.8.14, TS25.331 V5.24.0 S10.2.48.8.15, TS25.331 V5.24.0 S10.3.6.60, TS25.331 V5.24.0 S10.3.7.3, TS25.331 V5.24.0 S10.3.7.33, TS25.331 V5.24.0 S10.3.7.35, TS25.331 V5.24.0 S10.3.7.36, TS25.331 V5.24.0 S10.3.7.40, TS25.331 V5.24.0 S10.3.7.44, TS25.331 V5.24.0 S10.3.7.47, TS25.331 V5.24.0 S13.4.0, TS25.331 V5.24.0 S8.4.0, TS25.331 V5.24.0 Section 8 Table 8.1.1, TS25.401 V5.10.0 S3.1, TS25.401 V5.10.0 S6, TS25.430 V5.5.0 S5.2.6.2
71							
BS, CN, RNC, T	Mitsubishi	JP 3636327		28/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S6.1, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3, TS26.190 V6.0.0 S8 Fig. 3

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<b>72</b>							
BS, CN, RNC, T	Siemens	EP 0971553B1	BE, DE, ES, FR	01/07/2019	Handover of a packet data connection in a mobile network	1, 15	TS22.078 V3.2.0 S3, TS23.078 V3.10.0 Fig. 6.1, TS23.078 V3.10.0 Fig. 6.7, TS23.078 V3.10.0 S1, TS23.078 V3.10.0 S3.1, TS23.078 V3.10.0 S6.1.1, TS23.078 V3.10.0 S6.1.2.1, TS23.078 V3.10.0 S6.1.2.2, TS23.078 V3.10.0 S6.4.3, TS23.078 V3.10.0 S6.4.3.1.3, TS23.078 V3.10.0 S6.4.5.2, TS23.078 V3.10.0 S6.5.1, TS23.078 V3.10.0 S6.5.2.4, TS23.078 V3.10.0 S6.5.3.6, TS23.078 V3.10.0 S6.6.1.4.2, TS23.078 V3.10.0 S6.6.3.2.2, TS23.078 V3.10.0 S9.11, TS23.078 V3.10.0 S9.3, TS29.078 V3.10.0 S12.1.7.1.2, TS29.078 V3.10.0 S4.1.1, TS29.078 V3.10.0 S4.1.2, TS29.078 V3.10.0 S5.1
<b>73</b>							
BS, RNC, T	Siemens	EP 1027773	DE, ES, FR, GB	26/10/2018	Method, Mobile Station and Base Station for Establishing Connections in a Radiocommunications System	1, 16	TS25.211 V4.4.0 Fig. 3, TS25.211 V4.4.0 Fig. 4, TS25.211 V4.4.0 S5.2.2.1, TS25.211 V4.4.0 S5.2.2.1.1, TS25.211 V4.4.0 S5.2.2.1.2, TS25.211 V4.4.0 S5.3.3.1, TS25.211 V4.4.0 S5.3.3.7, TS25.214 V4.4.0 S6.1, TS25.331 V4.4.0 S10.3.6.54, TS25.331 V4.4.0 S8.5.7
BS, RNC, T	Siemens	CN ZL98812713.X		26/10/2018	METHOD, MOBILE STATION AND BASE STATION FOR CONNECTION SETUP IN A RADIO COMMUNICATION SYSTEM	1, 16	TS25.211 V4.4.0 Fig. 3, TS25.211 V4.4.0 Fig. 4, TS25.211 V4.4.0 S5.2.2.1.1, TS25.211 V4.4.0 S5.3.3.1, TS25.214 V4.4.0 S6.1, TS25.331 V4.4.0 S8.5.7

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<b>74</b>							
CN, T	Siemens	EP 0978206B1	ES, FR, GB	17/04/2018	METHOD AND COMMUNICATIONS NETWORK FOR THE ADMINISTRATION OF SUPPLEMENTARY SERVICES	1, 12, 13	TS23.078 V6.5.0 Fig. 4.1, TS23.078 V6.5.0 S1, TS23.078 V6.5.0 S2, TS23.078 V6.5.0 S3.1, TS23.078 V6.5.0 S3.2, TS23.078 V6.5.0 S4.1.1, TS23.078 V6.5.0 S4.4.5, TS23.078 V6.5.0 S5.1.1, TS23.078 V6.5.0 S5.1.2.1, TS23.078 V6.5.0 S5.2.1.1, TS23.078 V6.5.0 S5.4.1, TS23.078 V6.5.0 S5.5.1.3.1, TS23.078 V6.5.0 S5.5.1.3.2, TS23.078 V6.5.0 S5.5.1.4.1, TS23.078 V6.5.0 S5.5.1.4.2, TS23.078 V6.5.0 S5.5.2.3, TS23.078 V6.5.0 S5.5.2.3.1, TS23.078 V6.5.0 S5.5.2.4.1, TS23.090 V6.0.0 S1, TS23.090 V6.0.0 S2, TS23.090 V6.0.0 S6.1, TS23.090 V6.0.0 S6.2.2, TS23.090 V6.0.0 S6.2.3, TS29.002 V6.9.0 Fig. 22.9.5/1, TS29.002 V6.9.0 S1, TS29.002 V6.9.0 S2, TS29.002 V6.9.0 S22.9.2, TS29.002 V6.9.0 S22.9.3, TS29.002 V6.9.0 S22.9.4, TS29.002 V6.9.0 S22.9.5
<b>75</b>							
BS, CN, RNC, T	Fujitsu	JP 3571709		28/10/2014	VOICE ENCODING AND VOICE DECODING APPARATUS	1	TS26.071 V4.0.0 S1, TS26.071 V4.0.0 S4 Fig. 1, TS26.071 V4.0.0 S8, TS26.071 V4.0.0 S9, TS26.092 V4.0.0 S1, TS26.092 V4.0.0 S3.1, TS26.092 V4.0.0 S4, TS26.092 V4.0.0 S5.1, TS26.092 V4.0.0 S6, TS45.009 V4.1.0 S2, TS45.009 V4.1.0 S3.1.1 Fig. 1
<b>76</b>							
BS, T	Fujitsu	JP 3168063		18/05/2012	Spectrum Spread Communication Apparatus and Communication Method	2	TS25.201 V3.4.0 S4.1.1, TS25.212 V3.11.0 S4.2.10, TS25.212 V3.11.0 S4.2.7.1.1, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.5.4, TS25.213 V3.9.0 S4.2 Fig. 1, TS25.213 V3.9.0 S4.4.2 Fig. 7, TS25.213 V3.9.0 S5.1 Fig. 8, TS25.213 V3.9.0 S5.1 Fig. 9, TS25.306 V3.10.0 S5.2.2.1, TS25.306 V3.12.0 Fig. 9
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<b>77</b>							
BS, T	Fujitsu	EP 1096823	DE, FR, GB, IT	28/04/2019	Downlink transmission selection in cellular mobile communications networks	9	TS25.214 V3.12.0 S5.2.1.4, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5, TS25.214 V3.12.0 Table 6
BS, T	Fujitsu	KR 10-0627769		28/04/2019	Downlink transmission selection in cellular mobile communications networks.	9	TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5, TS25.214 V3.12.0 Table 6
BS, T	Fujitsu	CN 200410002839		28/04/2019	Downlink transmission selection in cellular mobile communications networks.	9	TS25.214 V3.12.0 S5.2.1.4, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5, TS25.214 V3.12.0 Table 6
<b>78</b>							
BS, RNC, T	Fujitsu	JP 2548763		25/01/2008 (Expired)	CHANNEL CHANGING SYSTEM	3	TR25.990 V3.0.0 S5.2, TS23.002 V3.6.0 S4.2.2.1, TS23.002 V3.6.0 S4.2.2.2, TS23.002 V3.6.0 S4.4.2, TS23.002 V3.6.0 S5.2.2 Fig.3, TS25.104 V3.12.0 S5.2, TS25.104 V3.12.0 S5.4.1, TS25.133 V3.20.0 S5.2, TS25.133 V3.20.0 S5.2.1, TS25.133 V3.20.0 S5.2.2

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<b>79</b>							
BS, RNC, T	NTT DoCoMo	JP 2855172		23/02/2016	VARIABLE RATE TRANSMISSION METHOD, AND TRANSMITTER AND RECEIVER EMPLOYING THE SAME	1, 32	TS25.211 V5.0.0 Fig. 10, TS25.211 V5.0.0 S5.3.2, TS25.212 V5.0.0 Annex A.1.2, TS25.212 V5.0.0 Fig. 2, TS25.212 V5.0.0 Fig. A.1, TS25.212 V5.0.0 S4.2, TS25.212 V5.0.0 S4.2.1.1, TS25.212 V5.0.0 S4.2.7, TS25.212 V5.0.0 S4.2.7.2, TS25.212 V5.0.0 S4.2.9
T	NTT DoCoMo	EP 0758168	DE, FR, GB, IT, SE	23/02/2016	VARIABLE RATE TRANSMITTING METHOD, AND TRANSMITTER AND RECEIVER UNIT	15, 18	TS25.201 V3.4.0 S4.2.1, TS25.212 V3.11.0 Annex A Fig. A.1, TS25.212 V3.11.0 Annex A Fig. A.2, TS25.212 V3.11.0 Annex A Sec. A.1.2
BS, RNC, T	NTT DoCoMo	US 5896374		23/02/2016	Variable Rate Transmission Method, Transmitter and Receiver Using The Same	12, 31, 47	TS25.201 V3.4.0 S4.1.2, TS25.211 V3.12.0 Figure 10, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.2, TS25.211 V3.12.0 Table 12, TS25.211 V3.12.0 Table 17, TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Fig. A.1, TS25.212 V3.11.0 Fig. A.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.9, TS25.213 V3.9.0 Figure 8, TS25.213 V3.9.0 S4.1, TS25.213 V3.9.0 S5.1
BS, RNC, T	NTT DoCoMo	CA 2188455		23/02/2016	Variable rate transmitting method, transmitter and receiver using the same.	12, 34	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 Table 11, TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Fig. A.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.9, TS25.302 V3.16.0 Fig. 6, TS25.302 V3.16.0 Figure 6, TS25.302 V3.16.0 S7.1.11, TS25.302 V3.16.0 S7.1.5, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.8
T	NTT DoCoMo	EP 0758168	DE, FR, GB, IT, SE	23/02/2016	Variable rate transmitting method, and transmitter and receiver using it.	11, 13	TS25.201 V3.4.0 S4.2.1, TS25.212 V3.11.0 A.1.2, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Fig. A.1, TS25.212 V3.11.0 Fig. A.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.1.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.5, TS25.301 V3.11.0 S5.2, TS25.301 V3.11.0 S5.2.2
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<b>80</b>							
BS, T	Mitsubishi	JP 3490097		04/03/2019	MOBILE COMMUNICATION SYSTEM, RECEIVER, TRANSMITTER AND MOBILE RADIO COMMUNICATION METHOD	1, 6, 11, 13, 15, 16	TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.201 V3.4.0 S4.1.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S1, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 S1, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.5, TS25.212 V5.3.0 S4.2.5.2, TS25.212 V5.3.0 S4.2.7, TS25.212 V5.3.0 S4.2.7.2, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.215 V5.6.0 Cover page, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2
BS, T	Mitsubishi	CN 1179593C		04/03/2019	MOBILE COMMUNICATION SYSTEM, RECEIVER, TRANSMITTER AND MOBILE RADIO COMMUNICATION METHOD	1, 5, 6, 7, 8, 9	TS25.133 V6.6.0 S8.1.2.5 Tab. 8.7, TS25.133 V6.6.0 S8.1.2.5.2.1, TS25.211 V5.4.0 S5.3.2 Fig. 9, TS25.212 V5.3.0 S4 Fig. 2, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.12.2 Fig. 2, TS25.212 V5.3.0 S4.2.5.1 Tab. 4, TS25.212 V5.3.0 S4.2.5.2, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2 Fig. 1, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2 Fig. 3
T	Mitsubishi	US 7206302		04/03/2019	Mobile radio communication system, communication apparatus for mobile radio communication system and mobile radio communication method	1	TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.201 V3.4.0 S4.1.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S1, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 S1, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.5, TS25.212 V5.3.0 S4.2.5.1, TS25.212 V5.3.0 S4.2.5.2, TS25.212 V5.3.0 S4.2.7, TS25.212 V5.3.0 S4.2.7.2, TS25.212 V5.3.0 S4.4, TS25.215 V5.6.0 Cover page, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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T	Mitsubishi	EP 1610581	DE, FR, GB	04/03/2019	Receiving method applied in a mobile radio communication system for observing frequencies of another system	1	TR21.900 V3.6.0 S4.0, TR21.900 V3.6.0 Table 1, TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.133 V6.0.0 Table 8.7, TS25.201 V3.4.0 S4.1.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S1, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.5, TS25.212 V5.3.0 S4.2.5.1, TS25.212 V5.3.0 S4.2.5.2, TS25.212 V5.3.0 S4.2.7, TS25.212 V5.3.0 S4.2.7.2, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 Table 4, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2
BS, T	Mitsubishi	EP 1610578	DE, FR, GB	04/03/2019	System and transmitter applied in a mobile radio communication system for observing frequencies of another system	1	TR21.900 V3.6.0 cover page, TS25.133 V3.17.0, TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2.1 Table 8.7, TS25.201 V3.4.0 S4.1.1, TS25.211 V5.4.0 S1, TS25.211 V5.4.0 S5.3.2 Fig. 9, TS25.212 V5.3.0 S4.2 Figure 2, TS25.212 V5.3.0 S4.2.5, TS25.212 V5.3.0 S4.2.5.1, TS25.212 V5.3.0 S4.2.5.2 Table 4, TS25.212 V5.3.0 S4.2.7, TS25.212 V5.3.0 S4.2.7.2, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2 Fig. 1, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2
BS, T	Mitsubishi	US 7218646		04/03/2019	Mobile radio communication system, communication apparatus for mobile radio communication system, and mobile radio communication method	1	TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.133 V6.0.0 Table 8.7, TS25.201 V4.3.0 S4.1.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.5.1, TS25.212 V5.3.0 S4.2.5.2, TS25.212 V5.3.0 S4.2.7, TS25.212 V5.3.0 S4.2.7.2, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 Table 4, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>81</b>							
BS, T	Mitsubishi	EP 0996301B1	DE, ES, FI, FR, GB, IT, PT, SE	04/03/2019	MOBILE RADIO COMMUNICATION SYSTEM, COMMUNICATION APPARATUS FOR MOBILE RADIO COMMUNICATION SYSTEM, AND MOBILE RADIO COMMUNICATION METHOD	1, 3, 4, 5, 6, 7	TS25.133 V6.0.0 Table 8.7, TS25.201 V3.4.0 S4.1.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 S1, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.12.2, TS25.212 V5.3.0 S4.2.5.1, TS25.212 V5.3.0 S4.2.5.2, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.212 V5.3.0 Table 4, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2
<b>82</b>							
BS, RNC, T	NEC	US 6359864		17/07/2016	FDD/CDMA TRANSMISSION/RECEPTION SYSTEM	2, 4	TS25.211 V3.12.0 S5.3.3.1, TS25.214 V3.12.0 S7, TS25.214 V3.12.0 S7.1
<b>83</b>							
BS, RNC, T	NEC	JP 3365379		13/12/2019	Base station selection type transmission power control method and base station	1, 6, 11	TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5
BS, RNC, T	NEC	US 6847818		31/10/2020	Transmission power control method and system	1, 13	TS25.214 V3.12.0 S5.2.1.4, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5
BS, RNC, T	NEC	KR 10-0353746		31/10/2020	A transmission power control method and device	1, 12	TS25.214 V3.12.0 S5.2.1.4, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5
<b>84</b>							
BS, CN, RNC, T	Fujitsu	JP 3568255		28/10/2014	VOICE CODING AND VOICE DECODING APPARATUS	7	TS26.071 V4.0.0 Fig. 1, TS26.071 V4.0.0 S1, TS26.071 V4.0.0 S4, TS26.071 V4.0.0 S8, TS26.071 V4.0.0 S9, TS26.090 V4.0.0 S4.3

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<b>85</b>							
T	Fujitsu	JP 3628013		19/08/2018	Error-correcting encoding apparatus	5	TS25.212 V3.9.0 Fig. 1, TS25.212 V3.9.0 Fig. 4, TS25.212 V3.9.0 Fig. 5, TS25.212 V3.9.0 S4.2, TS25.212 V3.9.0 S4.2.2.2, TS25.212 V3.9.0 S4.2.3.2.1, TS25.212 V3.9.0 S4.2.7, TS25.212 V3.9.0 S4.2.7.1, TS25.212 V3.9.0 S4.2.7.1.1, TS25.212 V3.9.0 S4.2.7.1.2, TS25.212 V3.9.0 S4.2.7.1.2.2, TS25.212 V3.9.0 S4.2.7.3, TS25.212 V3.9.0 S4.2.7.3.1, TS25.212 V3.9.0 S4.2.7.3.2
T	Fujitsu	CN 03128588		19/08/2019	Error-correcting encoding apparatus.	5	TS25.212 V3.9.0 Fig. 1, TS25.212 V3.9.0 Fig. 4, TS25.212 V3.9.0 Fig. 5, TS25.212 V3.9.0 S3.2, TS25.212 V3.9.0 S4.2, TS25.212 V3.9.0 S4.2.2.2, TS25.212 V3.9.0 S4.2.3.2.1, TS25.212 V3.9.0 S4.2.7, TS25.212 V3.9.0 S4.2.7.1.1, TS25.212 V3.9.0 S4.2.7.1.2, TS25.212 V3.9.0 S4.2.7.1.2.2, TS25.212 V3.9.0 S4.2.7.3, TS25.212 V3.9.0 S4.2.7.3.1, TS25.212 V3.9.0 S4.2.7.3.2
<b>86</b>							
T	Fujitsu	JP 3621688		09/09/2012	Mobile Communication Terminal and Speech Channel Control Method	8	TS25.101 V6.8.0 S5.1, TS25.101 V6.8.0 S5.2, TS25.101 V6.8.0 S5.4.3, TS25.211 V4.2.0 S5.3.2, TS25.211 V4.2.0 S5.3.3, TS25.211 V4.2.0 S5.3.3.3, TS25.211 V4.2.0 S5.3.3.4, TS25.211 V4.2.0 S6.1 Fig. 27, TS25.301 V3.11.0 S5.3.1.1.1 Fig. 3, TS25.301 V3.11.0 S5.3.1.2.2, TS25.303 V6.3.0 S6.4.7, TS25.331 V6.6.0 S10.2.22, TS25.331 V6.6.0 S10.3.3.36
<b>87</b>							
T	Fujitsu	JP 3629028		07/01/2019	Spread communication system and mobile station thereof	1	TS25.211 V3.12.0 Fig. 13, TS25.211 V3.12.0 S1, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.3.3.1, TS25.214 V3.12.0 S4.1, TS25.214 V3.12.0 S4.2, TS25.304 V3.14.0 S5.2.3, TS25.304 V3.14.0 S5.2.3.1.1, TS25.304 V3.14.0 S5.2.3.1.2
T	Fujitsu	EP 1018845	DE, FR, GB	14/12/2019	Site Diversity System, Base Station, Mobile Station, and Communication Control Method	1	TS25.211 V3.12.0 Fig. 13, TS25.211 V3.12.0 S1, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.3.3.1, TS25.214 V3.12.0 S4.1, TS25.214 V3.12.0 S4.2, TS25.304 V3.14.0 S5.2.3, TS25.304 V3.14.0 S5.2.3.1.1, TS25.304 V3.14.0 S5.2.3.1.2
T	Fujitsu	US 7436879		02/12/2019	Spread communication system and mobile station thereof.	1	TS25.211 V2.12.0 Figure 13, TS25.211 V2.12.0 S5.3.3.1, TS25.214 V3.12.0 S4.1, TS25.214 V3.12.0 S4.2, TS25.304 V3.14.0 S5.2.3.1.1, TS25.304 V3.14.0 S5.2.3.1.2
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<b>88</b>							
BS, CN, RNC, T	Fujitsu	JP 3660676		28/10/2014	VOICE ENCODING AND VOICE DECODING APPARATUS	3	TS26.071 V4.0.0 S4 Fig. 1, TS26.071 V4.0.0 S8, TS26.071 V4.0.0 S9, TS26.090 V4.0.0 Fig. 4, TS26.090 V4.0.0 S3.2, TS26.090 V4.0.0 S4.3, TS26.090 V4.0.0 S6, TS26.090 V4.0.0 S6.1, TS26.092 V4.0.0 S5, TS26.092 V4.0.0 S5.1, TS45.009 Foreword, TS45.009 V4.1.0 Fig. 1, TS45.009 V4.1.0 S2, TS45.009 V4.1.0 S3.1.1
<b>89</b>							
BS, RNC, T	NEC	JP 3120809		30/10/2010	A handoff method of mobile communication systems and a mobile terminal	4, 8	TS25.101 V3.17.0 S8.7.1, TS25.331 V3.21.0 S14.1.2.1, TS25.331 V3.21.0 S14.1.2.3, TS25.331 V3.21.0 S14.1.2.5, TS25.331 V3.21.0 S14.2.1, TS25.402 V3.10.0 Fig. 15, TS25.402 V3.10.0 S8.2.1
<b>90</b>							
BS, RNC, T	NEC	JP 3381783		03/03/2019	Method of controlling transmission power in a cellular type mobile communication system, base station, control station and mobile station	2, 24	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S4.2.2.2, TS23.002 V3.6.0 S4.3, TS23.002 V3.6.0 S5.1, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.433 V3.14.2 S8.3.7.2
BS, RNC, T	NEC	US 6351651		03/03/2019	Method of controlling transmission power in a cellular type mobile communication system	1, 47	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S4.2.2, TS23.002 V3.6.0 S4.2.2.2, TS23.002 V3.6.0 S4.3, TS23.002 V3.6.0 S5.1, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.433 V3.14.2 S8.3.7.1, TS25.433 V3.14.2 S8.3.7.2
<b>91</b>							
BS, RNC, T	NEC	JP 3473555		30/06/2020	Transmission power control system, control method, base station, control station and storage medium	1, 12, 23	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S5.1, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.433 V3.14.2 Fig. 37, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.51, TS25.433 V3.14.2 S9.2.2.B
BS, RNC, T	NEC	US 7072681		25/06/2021	Transmission power balance adjustment system and method for cellular communication systems	2, 4, 6	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S5.1, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.402 V3.10.0 S5, TS25.433 V3.13.2 S9.2.2.B, TS25.433 V3.14.2 Fig. 37, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.51
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<b>92</b>							
BS, RNC, T	NTT DoCoMo	JP 3445279		23/06/2017	DATA TRANSMITTING METHOD, DATA TRANSMITTING SYSTEM AND TRANSMITTER AND RECEIVER	1, 4	TS25.211 V5.0.0 Fig. 10, TS25.211 V5.0.0 S5.3.2, TS25.211 V5.0.0 Table 12, TS25.212 Fig. A.2, TS25.212 V5.0.0 Annex A.1.2, TS25.212 V5.0.0 Fig. A.1, TS25.212 V5.0.0 S4.2, TS25.212 V5.0.0 S4.2.1.1, TS25.212 V5.0.0 S4.2.2, TS25.212 V5.0.0 S4.2.3.1, TS25.212 V5.0.0 S4.2.5.4, TS25.212 V5.0.0 S4.2.7, TS25.212 V5.0.0 S4.2.7.2, TS25.212 V5.0.0 S4.2.9.1, TS25.212 V5.0.0 S4.3, TS25.212 V5.0.0 S4.3.1, TS25.301 V5.0.0 S5.2.2, TS25.302 V5.0.0 Fig. 6, TS25.302 V5.0.0 S7.1.5, TS25.302 V5.0.0 S7.1.7
BS, RNC, T	NTT DoCoMo	US 6108384		23/06/2017	DATA TRANSMISSION METHOD, DATA TRANSMITTING SYSTEM AND TRANSMITTER AND RECEIVER	1, 4, 13, 14	TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.2, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.3.1, TS25.212 V3.11.0 S4.2.5.4, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.9.1, TS25.212 V3.11.0 S4.3, TS25.212 V3.11.0 S4.3.1, TS25.301 V3.11.0 S5.2.2, TS25.302 V3.16.0 S7, TS25.302 V3.16.0 S7.1.7
BS, RNC, T	NTT DoCoMo	EP 0866589	DE, FR, GB, IT, SE	23/06/2017	Data transmitting method, data transmitting system, transmitter, and receiver	1, 6, 11	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Fig. A.1, TS25.212 V3.11.0 Fig. A.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.2, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.3.1, TS25.212 V3.11.0 S4.2.5.4, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.9.1, TS25.212 V3.11.0 S4.3.1, TS25.302 V3.16.0 Figure 6, TS25.302 V3.16.0 S7.1.7
<b>93</b>							
BS, RNC, T	NTT DoCoMo	JP 2912884		16/12/2016	Multiple-access method, Mobile Station and Base Station for CDMA Mobile Communication System	4, 7, 13, 16	TS25.201 V5.0.0 S4.2.1, TS25.211 V5.0.0 S5.2.2, TS25.211 V5.0.0 S5.2.2.1, TS25.211 V5.0.0 S5.2.2.1.1, TS25.211 V5.0.0 S5.2.2.1.2, TS25.211 V5.0.0 S5.2.2.1.3, TS25.211 V5.0.0 S5.3.3.3, TS25.211 V5.0.0 S7.3, TS25.213 V5.0.0 S4.2.2.2, TS25.213 V5.0.0 S4.3.1.3, TS25.213 V5.0.0 S4.3.3.1, TS25.213 V5.0.0 S4.3.3.3, TS25.214 V5.0.0 S6.1, TS25.331 V5.0.0 S10.2.48.8.8, TS25.331 V5.0.0 S10.3.6.2, TS25.331 V5.0.0 S10.3.6.55
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>94</b>							
T	Sharp	EP 1067706	DE, ES, FR, GB, IT	31/08/2012	Method for improving performances of a mobile radiocommunication system using convergence assessment of power control loop * Expiry date of right to license: 31 August 2012	1, 21	TS25.331 V6.7.0 S14.9, TS25.331 V6.7.0 S14.9.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	US 6430398		31/08/2012	Method for improving performance of a mobile radiocommunication system using power control * Expiry date of right to license: 31 August 2012	1, 3, 4, 5, 11, 12, 13, 23, 25	TS25.201 V6.2.0 S4.2, TS25.201 V6.2.0 S4.2.1, TS25.331 V6.6.0 S14.9, TS25.331 V6.6.0 S14.9.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	CN 100391267		31/08/2012	Method for improving performance of mobile radio communication system using power control.  * Expiry date of right to license: 31 August 2012	1, 3	TS25.331 V6.6.0 S14.9.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4

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95							
T	Sharp	EP 1069704	DE, ES, FR, GB, IT	31/08/2012	Method for improving mobile radiocommunication system performances using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 22	TS25.212 V6.6.0 S4.4, TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S14.9, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.401 V6.7.0 S7, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	AU 763926		31/08/2012	Method for improving mobile radiocommunication system performances using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 3, 6, 7, 8, 10, 11, 23	TS25.201 V6.2.0 S4.2.1, TS25.212 V6.6.0 Figure 15, TS25.212 V6.6.0 S4.4.3.2, TS25.212 V6.6.0 S4.4.4, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	US 6549785		31/08/2012	Method for improving performances of a mobile radiocommunication system using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 6, 7, 8, 11, 13, 33, 38	TS25.201 V6.2.0 S4.2, TS25.201 V6.2.0 S4.2.1, TS25.212 V6.6.0 S4.4, TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	CN 1238976		31/08/2012	Method for improving mobile radiocommunication system performances using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 3, 6, 7, 8, 10, 11	TS25.201 V6.2.0 S4.2.1, TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	KR 0668541		31/08/2012	Method for improving performances of a mobile radiocommunication systems using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 3, 6, 7, 8, 10, 27, 29, 32, 41, 46, 78, 79	TS25.201 V6.2.0 S4.2, TS25.201 V6.2.0 S4.2.1, TS25.212 V6.6.0 S4.4, TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.331 V6.6.0 S8.1.1, TS25.331 V6.6.0 S8.1.1.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	JP 3967590		31/08/2012	Method for improving performances of a mobile radio communication system using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 3, 4, 6, 8, 14, 16, 17	TS25.201 V6.2.0 S4.2.1, TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.331 V6.6.0 S8.1.1.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
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<b>96</b>							
T	Sharp	US 5564075		31/08/2012	Method and system for controlling the power at which an access packet is sent by a mobile in a mobile radio system * Expiry date of right to license: 31 August 2012	1	TS25.133 V6.11.0 S6.3, TS25.211 V6.6.0 S5.2.2.1, TS25.211 V6.6.0 S5.3.3, TS25.211 V6.6.0 S5.3.3.3, TS25.211 V6.6.0 S5.3.3.3.1.1, TS25.211 V6.6.0 S6.1, TS25.214 V6.7.0 S6.1 Fig. 27, TS25.215 V6.4.0 S5.1.1, TS25.331 V6.6.0 S10.3.6.61, TS25.331 V6.6.0 S8.1.1.1.2, TS25.331 V6.6.0 S8.1.1.1.3, TS25.331 V6.6.0 S8.5.7, TS25.401 V6.7.0 S7.2.4.8.5
T	Sharp	EP 0615353	BE, DE, ES, FR, GB, IT, NL, SE	31/08/2012	Method and system for controlling the power of an access packet in a mobile radiocommunication system * Expiry date of the licensing right: 31 August 2012	1, 13	TS25.211 V6.6.0 Fig. 27, TS25.211 V6.6.0 S1, TS25.211 V6.6.0 S5.3.3, TS25.211 V6.6.0 S5.3.3.1, TS25.211 V6.6.0 S5.3.3.1.1, TS25.211 V6.6.0 S5.3.3.3, TS25.211 V6.6.0 S6.1, TS25.214 V6.7.0 S6.1, TS25.215 V6.4.0 S5.1.1, TS25.331 V6.6.0 S10.3.6.61, TS25.331 V6.6.0 S8.1.1.1.3, TS25.331 V6.6.0 S8.5.7, TS25.401 V6.7.0 S7.2.4.8.5
T	Sharp	JP 3720855		31/08/2012	METHOD FOR CONTROLLING THE POWER OF ACCESS PACKET TRANSMITTED BY MOBILE STATION IN RADIOCOMMUNICATION SYSTEM AND RADIOCOMMUNICATION SYSTEM FOR EXECUTION OF SAID METHOD * Expiry date of right to license: 31 August 2012	1	TS25.133 V6.11.0 S6.3, TS25.133 V6.11.0 S6.3.1, TS25.133 V6.11.0 S6.3.2, TS25.211 V6.6.0 S5.3.3, TS25.211 V6.6.0 S5.3.3.1.1, TS25.211 V6.6.0 S5.3.3.3, TS25.211 V6.6.0 S6.1 Fig. 27, TS25.214 V6.7.0 S6.1, TS25.215 V6.4.0 S5.1.1, TS25.331 V6.6.0 S10.3, TS25.331 V6.6.0 S10.3.6, TS25.331 V6.6.0 S10.3.6.61, TS25.331 V6.6.0 S8.1.1.1.2, TS25.331 V6.6.0 S8.1.1.1.3, TS25.331 V6.6.0 S8.5.7, TS25.401 V6.7.0 S7.2.4.8.5
T	Sharp	AU 673576		31/08/2012	Access Burst Power Control * Expiry date of right to license: 31 August 2012	1, 13	TS25.211 V6.6.0 S5.3.3, TS25.214 V6.7.0 S6.1, TS25.215 V6.4.0 S5.1.1, TS25.331 V6.6.0 S10.3.6.61, TS25.331 V6.6.0 S8.1.1.1.3, TS25.331 V6.6.0 S8.5.7
<b>97</b>							
BS, T	Siemens	EP 1112633B1	DE, ES, FR, GB, IT	02/09/2019	METHOD FOR FORMING OR DETECTING A SIGNAL SEQUENCE AND TRANSMITTER UNIT AND RECEIVER UNIT	1, 10, 11	TS25.211 V6.0.0 S5.3.3.5, TS25.213 V6.0.0 S5.2.3, TS25.213 V6.0.0 S5.2.3.1
BS, T	Siemens	JP 4149675		02/09/2019	Method for forming or detecting a signal sequence and transmitter unit and a receiver unit.	1	TS25.211 V6.0.0 S5.3.3.5, TS25.213 V6.0.0 S5.2.3.1
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>98</b>							
BS, T	Siemens	EP 1258085B1	DE, FR, GB, IT	12/01/2021	METHOD FOR ADAPTING THE DATA BLOCKS TO BE SUPPLIED TO A TURBO CODER AND A CORRESPONDING COMMUNICATIONS DEVICE	1, 15	TS25.212 V6.0.0 S4.2.2.2, TS25.212 V6.0.0 S4.2.3, TS25.212 V6.0.0 S4.2.3.2.3
BS, T	Siemens	JP 3648482		22/02/2020	Method for adapting the data blocks to be supplied t a turbo coder and a corresponding communications device	1, 15	TS25.212 V6.0.0 S4.2.2.2, TS25.212 V6.0.0 S4.2.3, TS25.212 V6.0.0 S4.2.3.2.3
<b>99</b>							
BS, CN, RNC, T	Mitsubishi	JP 3676801		27/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 4	TS26.190 V6.0.0 S4.3, TS26.190 V6.0.0 S4.4 Fig. 3, TS26.190 V6.0.0 S6.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3
<b>100</b>							
T	Sharp	JP 3701300		21/04/2019	Mobile station	1, 4	TS22.140 V6.7.0 S3, TS22.140 V6.7.0 S3.1, TS22.140 V6.7.0 S5, TS22.140 V6.7.0 S5.1, TS23.002 V6.7.0 S4, TS23.002 V6.7.0 S4.2, TS23.002 V6.7.0 S4.3, TS23.140 V6.10.0 S4, TS26.140 V6.2.0 S4, TS26.140 V6.2.0 S4.1, TS26.246 V6.0.0 S10, TS26.246 V6.0.0 S10.2, TS26.246 V6.0.0 S10.8.1, TS26.246 V6.0.0 S4, TS26.246 V6.0.0 S7, TS26.246 V6.0.0 S7.7
<b>101</b>							
BS, CN, RNC, T	NEC	JP 3419386		18/05/2020	Paging system and paging method	1, 7	TS25.331 V3.21.0 Annex B, TS25.331 V3.21.0 B.2, TS25.331 V3.21.0 Fig. 8.1.11-1, TS25.331 V3.21.0 Fig. 8.1.2-1, TS25.331 V3.21.0 S7.2, TS25.331 V3.21.0 S7.2.1, TS25.331 V3.21.0 S7.2.2, TS25.331 V3.21.0 S7.2.2.1, TS25.331 V3.21.0 S7.2.2.2, TS25.331 V3.21.0 S7.2.2.3, TS25.331 V3.21.0 S8.1.11, TS25.331 V3.21.0 S8.1.11.1, TS25.331 V3.21.0 S8.1.11.2, TS25.331 V3.21.0 S8.1.2, TS25.331 V3.21.0 S8.1.2.1, TS25.331 V3.21.0 S8.1.2.3, TS25.331 V3.21.0 S8.15.2, TS25.410 V3.8.0 Fig. 4.1, TS25.410 V3.8.0 S4.1, TS25.410 V3.8.0 S4.1.1, TS25.413 V3.14.0 Fig. 16, TS25.413 V3.14.0 S8.15, TS25.413 V3.14.0 S8.15.1, TS25.413 V3.14.0 S8.15.2, TS25.413 V3.14.0 S8.16, TS25.413 V3.14.0 S9.2, TS25.413 V3.14.0 S9.2.1, TS25.413 V3.14.0 S9.2.1.22, TS25.413 V4.14.0 S8.16.1
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<b>102</b>							
BS, CN, RNC, T	NEC	JP 3736533		18/05/2020	A paging system, a paging method and base station control equipment using the method	1, 7	TS25.331 V3.21.0 Fig. 8.1.2-1, TS25.331 V3.21.0 S8.1.2, TS25.331 V3.21.0 S8.1.2.1, TS25.331 V3.21.0 S8.1.2.2, TS25.331 V3.21.0 S8.1.2.3, TS25.331 V3.21.0 S8.16.1, TS25.410 V3.8.0 Fig. 4.1, TS25.410 V3.8.0 S4.1.1, TS25.413 V3.14.0 Fig. 16, TS25.413 V3.14.0 S8.15.1, TS25.413 V3.14.0 S8.15.2, TS25.413 V3.14.0 S9.2.1.22

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<b>103</b>							
T	Mitsubishi	EP 1471656B1	DE, FR, GB	21/08/2022	Transmission of Additional Dedicated Physical Control CHannel (ADPCCH) in W-CDMA system	1	TS25.211 V5.5.0 S5.2.1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S4
T	Mitsubishi	KR 561116		21/08/2022	Transmission of Additional Dedicated Physical Control Channel (ADPCCH) in W-CDMA system	1, 11	TS25.211 V5.5.0 S5.2.1, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
T	Mitsubishi	US 7102993		21/08/2022	Mobile station, base station, communication system and communication method	5	TS25.211 V5.5.0 Fig. 2A, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S5.2.1, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
T	Mitsubishi	CN 471096		21/08/2022	Mobile station and Transmission method	1	TS25.201 V5.2.0 Fig 2, TS25.201 V5.2.0 S4.2.6, TS25.211 V5.5.0 Figure 27, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S4.1, TS25.211 V5.5.0 S4.1.1, TS25.211 V5.5.0 S4.1.1.1, TS25.211 V5.5.0 S5.2.1, TS25.211 V5.5.0 S6.1, TS25.212 V5.7.0 Fig 1, TS25.212 V5.7.0 S4.1, TS25.212 V5.7.0 S4.2, TS25.212 V5.7.0 S4.2.10, TS25.212 V5.7.0 S4.2.12, TS25.212 V5.7.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
T	Mitsubishi	HK 1075985		21/08/2022	Mobile station and Transmission method	1	TS25.201 V5.2.0 Fig 2, TS25.201 V5.2.0 S4.2.6, TS25.211 V5.5.0 Figure 27, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S4.1, TS25.211 V5.5.0 S4.1.1, TS25.211 V5.5.0 S4.1.1.1, TS25.211 V5.5.0 S5.2.1, TS25.211 V5.5.0 S6.1, TS25.212 V5.7.0 Fig 1, TS25.212 V5.7.0 S4.1, TS25.212 V5.7.0 S4.2, TS25.212 V5.7.0 S4.2.10, TS25.212 V5.7.0 S4.2.12, TS25.212 V5.7.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4

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<b>104</b>							
BS, CN, RNC, T	NEC	JP 3179091		30/10/2010	A handoff method of a mobile communication system and a mobile terminal	2, 5	TS25.104 V3.13.0 S5, TS25.104 V3.13.0 S5.4.3, TS25.104 V3.13.0 Tab. 5.1, TS25.133 V3.22.0 S5, TS25.133 V3.22.0 S5.1.1, TS25.133 V3.22.0 S5.1.2.3, TS25.214 V3.12.0 S4, TS25.214 V3.12.0 S4.3.2, TS25.214 V3.12.0 S4.3.2.1, TS25.301 V3.11.0 Fig. 11, TS25.301 V3.11.0 Fig. 12, TS25.301 V3.11.0 S5, TS25.301 V3.11.0 S5.6, TS25.301 V3.11.0 S5.6.1, TS25.303 V3.12.0 Fig. 25, TS25.303 V3.12.0 Fig. 30, TS25.303 V3.12.0 S6, TS25.303 V3.12.0 S6.4.1, TS25.303 V3.12.0 S6.4.4, TS25.331 V3.21.0 Fig. 14.1.2.3-1, TS25.331 V3.21.0 Fig. 14.1.2.5-1, TS25.331 V3.21.0 Fig. 8.2.2-1, TS25.331 V3.21.0 Fig. 8.3.4-1, TS25.331 V3.21.0 S10, TS25.331 V3.21.0 S10.2.1, TS25.331 V3.21.0 S10.2.33, TS25.331 V3.21.0 S10.3.6.36, TS25.331 V3.21.0 S14, TS25.331 V3.21.0 S14.1.1, TS25.331 V3.21.0 S14.1.2, TS25.331 V3.21.0 S14.1.2.1, TS25.331 V3.21.0 S14.1.2.3, TS25.331 V3.21.0 S14.1.2.3 Eq. 2, TS25.331 V3.21.0 S14.1.2.5, TS25.331 V3.21.0 S14.1.2.5 Eq. 2, TS25.331 V3.21.0 S14.1.4, TS25.331 V3.21.0 S14.1.5, TS25.331 V3.21.0 S8, TS25.331 V3.21.0 S8.2.2, TS25.331 V3.21.0 S8.3.4, TS25.401 V3.10.0 Fig. 17, TS25.401 V3.10.0 Fig. 4, TS25.401 V3.10.0 S11, TS25.401 V3.10.0 S11.2.4, TS25.401 V3.10.0 S6, TS25.401 V3.10.0 S7, TS25.401 V3.10.0 S7.2.4.3, TS25.402 V3.10.0 S8, TS25.402 V3.10.0 S8.2.1, TS25.402 V5.0.0 S8.2.1 with Fig. 15
<b>105</b>							
BS, RNC, T	NEC	JP 3214466		02/09/2018	A mobile communication system, a communication control method therefore, a base station and a mobile station used therein	1, 3, 5	TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 13, TS25.212 V3.11.0 Fig. 14, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.2, TS25.212 V3.11.0 S4.4.3, TS25.212 V3.11.0 S4.4.4, TS25.214 V3.11.0 S5, TS25.214 V3.11.0 S5.1, TS25.214 V3.11.0 S5.1.2, TS25.214 V3.11.0 S5.1.2.2, TS25.214 V3.11.0 S5.1.2.2.1, TS25.214 V3.11.0 S7.2
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>106</b>							
BS, CN, RNC, T	NEC	EP 0876005	DE, FR, GB	27/02/2012	Cellular mobile communications system using frequencies commonly shared by neighboring cells for handoff operations	1	TS25.104 V3.13.0 S5.4.3, TS25.133 V3.21.0 S5.1.1, TS25.133 V3.21.0 S8.1.1, TS25.133 V3.21.0 S8.1.2, TS25.214 V3.12.0 S4.3.2.1, TS25.301 V3.11.0 S5.6, TS25.301 V3.11.0 S5.6.1, TS25.331 V3.21.0 S10.2.1, TS25.331 V3.21.0 S10.2.33, TS25.331 V3.21.0 S10.3.6.33, TS25.331 V3.21.0 S14.1.1, TS25.331 V3.21.0 S14.1.2, TS25.331 V3.21.0 S14.1.2.5, TS25.331 V3.21.0 S14.1.2.6, TS25.331 V3.21.0 S8.2.2, TS25.331 V3.21.0 S8.3.4, TS25.401 V3.9.0 S7.2.4.3
<b>107</b>							
BS, RNC, T	NTT DoCoMo	US 6341224		26/06/2017	Power controller for mobile communication system wherein a signal to interference threshold is dynamically moved based on an error rate measurement	1, 4	TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.2.3, TS25.214 V3.12.0 S3, TS25.214 V3.12.0 S5, TS25.214 V3.12.0 S5.1, TS25.214 V3.12.0 S5.1.2, TS25.214 V3.12.0 S5.1.2.2, TS25.214 V3.12.0 S5.1.2.2.1, TS25.214 V3.12.0 S5.2, TS25.214 V3.12.0 S5.2.1, TS25.214 V3.12.0 S5.2.1.2, TS25.214 V3.12.0 S5.2.1.2.1 Annex B2, TS25.214 V3.12.0 S5.2.3, TS25.214 V3.12.0 S5.2.3.1, TS25.214 V3.12.0 S5.2.3.2, TS25.215 V3.13.0 S5, TS25.215 V3.13.0 S5.1, TS25.215 V3.13.0 S5.1.6, TS25.215 V3.13.0 S5.2, TS25.215 V3.13.0 S5.2.2, TS25.215 V3.13.0 S5.2.7, TS25.301 V3.11.0 S5, TS25.301 V3.11.0 S5.4, TS25.301 V3.11.0 S5.4.2, TS25.302 V3.16.0 S7, TS25.302 V3.16.0 S7.1, TS25.302 V3.16.0 S7.1.5, TS25.331 V3.21.0 S10, TS25.331 V3.21.0 S10.3, TS25.331 V3.21.0 S10.3.3, TS25.331 V3.21.0 S10.3.3.7, TS25.331 V3.21.0 S14, TS25.331 V3.21.0 S14.9, TS25.331 V3.21.0 S14.9.1, TS25.427 V3.11.0 S5, TS25.427 V3.11.0 S5.4, TS25.427 V3.11.0 S6, TS25.427 V3.11.0 S6.2, TS25.427 V3.11.0 S6.2.1, TS25.427 V3.11.0 S6.2.2, TS25.427 V3.11.0 S6.2.4, TS25.427 V3.11.0 S6.2.4.5, TS25.427 V3.11.0 S6.2.4.7
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>108</b>							
BS, T	Mitsubishi	JP 3749249		10/05/2022	Communication system, base station and mobile station	7, 8	TS25.211 V5.7.0 Fig 2A, TS25.211 V5.7.0 S5, TS25.211 V5.7.0 S5.2.1, TS25.211 V5.7.0 S7.7, TS25.214 V5.11.0 S6, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.2, TS25.308 V5.7.0 S4, TS25.308 V5.7.0 S7, TS25.308 V5.7.0 S7.1.1, TS25.308 V5.7.0 S8, TS25.308 V5.7.0 S8.2, TS25.308 V5.7.0 S8.2.1, TS25.331 V5.13.0 S10, TS25.331 V5.13.0 S10.3.6.40a
BS, T	Mitsubishi	US 7130588		10/05/2022	Communication system, base station and mobile station	2, 4	TS25.211 V5.7.0 Fig 2A, TS25.211 V5.7.0 S5.2.1, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.2, TS25.308 V5.7.0 S4, TS25.308 V5.7.0 S7.1.1, TS25.308 V5.7.0 S8.2.1, TS25.331 V5.13.0 S10.3.6.40a
T	Mitsubishi	CN 100382462C		10/05/2022	Communications System, Mobile Station And Base Station	1	TS25.211 V5.7.0 Fig 2A, TS25.211 V5.7.0 S5.2.1, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.2, TS25.308 V5.7.0 S8.2.1, TS25.308 V5.7.0 S8.2.2, TS25.331 V5.13.0 S10.3.6.40a
<b>109</b>							
T	Fujitsu	JP 3595173		06/10/2018	Method for controlling of transmitting power of a radio equipment	1	TS25.211 V3.11.0 Figure 1, TS25.211 V3.11.0 S5.2.1, TS25.211 V3.11.0 Table 3, TS25.211 V3.11.0 Table 4, TS25.211 V3.11.0 Table 5, TS25.212 V3.9.0 Fig. 1, TS25.212 V3.9.0 S4.1, TS25.212 V3.9.0 S4.2, TS25.212 V3.9.0 S4.2.1, TS25.212 V3.9.0 S4.2.3, TS25.212 V3.9.0 Table 1, TS25.214 V3.12.0 S4.1.2.5.2, TS25.214 V3.12.0 S5.1.2.5, TS25.214 V3.12.0 S5.1.2.5.1
<b>110</b>							
T	Sharp	EP 1172943	DE, ES, FR, GB, IT	31/08/2012	Method for improving mobile radiocommunication system performances using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 6	TS25.212 V6.6.0 S4.4, TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
T	Sharp	JP 3895752		31/08/2012	Method for improving performances of a mobile radio communication system using a power control algorithm * Expiry date of right to license: 31 August 2012	1	TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.331 V6.6.0 S8.1.1.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>111</b>							
BS, CN, RNC, T	Mitsubishi	JP 3746067		06/12/2018	Method and apparatus for speech decoding	1, 2	TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S6, TS26.190 V6.0.0 S6.1
<b>112</b>							
BS, CN, RNC, T	Mitsubishi	JP 3748083		27/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.3
<b>113</b>							
BS, CN, RNC, T	Mitsubishi	JP 3736801		06/12/2018	Method and apparatus for speech decoding	1, 3	TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S6.1, TS26.190 V6.0.0 S8 Fig. 3
BS, CN, RNC, T	Mitsubishi	EP 1426925	DE, FR, GB, IT, SE	06/12/2018	Method and apparatus for speech decoding	1	TS26.190 V6.0.0 Fig. 3, TS26.190 V6.0.0 S4.3, TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S5.8.1, TS26.190 V6.0.0 S6, TS26.190 V6.0.0 S6.1
BS, CN, RNC, T	Mitsubishi	US 7092885		06/12/2018	Method and apparatus for speech decoding	1, 2	TS26.190 V6.6.0 Fig. 3, TS26.190 V6.6.0 S4.3, TS26.190 V6.6.0 S4.4, TS26.190 V6.6.0 S5.9, TS26.190 V6.6.0 S6.1

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>114</b>							
BS, CN, RNC, T	Mitsubishi	EP 1420534	DE, FR, GB	10/03/2019	<b>A method and apparatus for assigning codes</b> *With effect 1 July 2010 the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license	1	TS25.331 V6.6.0 S10.2.27, TS25.331 V6.6.0 S10.3.3.1, TS25.331 V6.6.0 S10.3.6.21, TS25.331 V6.6.0 S10.3.6.27, TS25.331 V6.6.0 S8.2.2, TS25.331 V6.6.0 S8.2.2.3, TS25.331 V6.6.0 S8.6.3.1, TS25.401 V1.1.1 S7.2.4.5, TS25.401 V3.1.0 S6, TS25.401 V3.1.0 S6.1.3, TS25.401 V3.1.0 S6.1.7, TS25.402 V3.1.0 S5, TS25.402 V3.1.0 S9.4, TS25.433 V3.1.0 S8.3.2.1, TS25.433 V6.5.0 Figure 32, TS25.433 V6.5.0 S8.3.3.1, TS25.433 V6.5.0 S8.3.3.2, TS25.433 V6.5.0 S9.1.42.1, TS25.433 V6.5.0 S9.1.45, TS25.433 V6.5.0 S9.2.2.14, TS25.433 V6.5.0 S9.2.2.14A
BS, RNC, T	Mitsubishi	US 7133389		18/09/2018	<b>Method and apparatus for assigning codes</b> *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1, 2	TS25.331 V3.21.0 Fig. 8.2.2-3, TS25.331 V3.21.0 S10.2.27, TS25.331 V3.21.0 S10.3.3.1, TS25.331 V3.21.0 S10.3.6.21, TS25.331 V3.21.0 S10.3.6.27, TS25.331 V3.21.0 S8.2.2, TS25.331 V3.21.0 S8.2.2.3, TS25.331 V3.21.0 S8.6.3.1, TS25.401 V1.1.1 S6, TS25.401 V1.1.1 S6.1, TS25.401 V1.1.1 S6.1.1, TS25.401 V1.1.1 S7.2.4.5, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S9.4, TS25.433 V3.14.2 S8.3.2.1, TS25.433 V3.14.2 S8.3.3, TS25.433 V3.14.2 S8.3.3.1, TS25.433 V3.14.2 S9.1.42.1, TS25.433 V3.14.2 S9.1.45, TS25.433 V3.14.2 S9.2.2.14, TS25.433 V3.14.2 S9.2.2.14A, TS25.433 V6.5.0 Figure 32, TS25.433 V6.5.0 S8.3.3.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>115</b>							
BS, CN, RNC, T	Mitsubishi	EP 1420535	DE, FR, GB	10/03/2019	Mobile station and corresponding method for code switching in a CDMA system *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.331 V3.1.0 S10.1.22, TS25.331 V6.6.0 S10.2.27, TS25.331 V6.6.0 S10.3.3.1, TS25.331 V6.6.0 S10.3.6.21, TS25.331 V6.6.0 S10.3.6.27, TS25.331 V6.6.0 S8.2.2, TS25.331 V6.6.0 S8.2.2.3, TS25.331 V6.6.0 S8.3.2.1, TS25.331 V6.6.0 S8.3.3, TS25.331 V6.6.0 S8.6.3.1, TS25.331 V6.6.0 S9.1.42.1, TS25.331 V6.6.0 S9.1.45, TS25.331 V6.6.0 S9.2.2.14A, TS25.401 V3.1.0 S6, TS25.401 V3.1.0 S6.1.7, TS25.401 V3.1.0 S7.2.4.5, TS25.402 V3.1.0 S5, TS25.402 V3.1.0 S9.4
T	Mitsubishi	US 7120137		18/09/2018	Method and apparatus for assigning codes *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1, 2	TS25.331 V3.21.0 Fig. 8.2.2-3, TS25.331 V3.21.0 S10.2.27, TS25.331 V3.21.0 S10.3.3.1, TS25.331 V3.21.0 S10.3.6.21, TS25.331 V3.21.0 S10.3.6.27, TS25.331 V3.21.0 S8.2.2, TS25.331 V3.21.0 S8.2.2.3, TS25.331 V3.21.0 S8.6.3.1, TS25.401 V1.1.1 S6, TS25.401 V1.1.1 S6.1, TS25.401 V1.1.1 S6.1.1, TS25.401 V1.1.1 S7.2.4.5, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S9.4, TS25.433 V3.14.2 S8.3.2.1, TS25.433 V3.14.2 S9.1.42.1, TS25.433 V3.14.2 S9.1.45, TS25.433 V3.14.2 S9.2.2.14, TS25.433 V3.14.2 S9.2.2.14A, TS25.433 V6.5.0 Figure 32, TS25.433 V6.5.0 S8.3.3.1, TS25.433 V6.5.0 S8.3.3.2
<b>116</b>							
BS, CN, RNC, T	Mitsubishi	JP 3748081		27/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 Fig. 3, TS26.190 V6.0.0 S4, TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S6.1, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3
<b>117</b>							
BS, CN, RNC, T	Mitsubishi	JP 3748082		27/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 Fig. 3, TS26.190 V6.0.0 S4, TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S6.1, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3
<b>118</b>							
BS, CN, RNC, T	NTT	JP 2613503		08/07/2011	Speech excitation signal encoding and decoding methods	1	TS26.090 V6.0.0 S3.1, TS26.090 V6.0.0 S4.3, TS26.090 V6.0.0 S5.6.1, TS26.090 V6.0.0 S5.7.2
BS, CN, RNC, T	NTT	US 5396576		20/05/2012	Speech coding and decoding methods using adaptive and random code books	24	TS26.090 V6.0.0 S3.1, TS26.090 V6.0.0 S3.2, TS26.090 V6.0.0 S5.6.1, TS26.090 V6.0.0 S6.1
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<b>119</b>							
BS, CN, RNC, T	NTT	JP 2853824		02/10/2012	Parameter Information Coding method of Speech	1	TS26.090 V3.1.0 S4.3, TS26.090 V3.1.0 S5.2, TS26.090 V3.1.0 S5.2.5, TS26.090 V3.1.0 S6.1
<b>120</b>							
BS, CN, RNC, T	NTT	JP 3085347		07/10/2014	A speech decoding method and apparatus	2	TS26.090 V6.0.0 S4, TS26.090 V6.0.0 S4.3, TS26.090 V6.0.0 S4.4, TS26.090 V6.0.0 S5, TS26.090 V6.0.0 S5.2, TS26.090 V6.0.0 S5.2.5, TS26.090 V6.0.0 S5.2.6, TS26.090 V6.0.0 S6, TS26.090 V6.0.0 S6.1, TS26.091 V6.0.0 S5, TS26.091 V6.0.0 S5.1, TS26.091 V6.0.0 S6, TS26.091 V6.0.0 S6.2.1, TS26.091 V6.0.0 S6.2.2, TS26.091 V6.0.0 S6.2.3
<b>121</b>							
BS, CN, RNC, T	NTT	JP 3275247		22/05/2011	Speech coding and decoding methods	5	TS26.090 V6.0.0 S3, TS26.090 V6.0.0 S3.1, TS26.090 V6.0.0 S3.2, TS26.090 V6.0.0 S6, TS26.090 V6.0.0 S6.1
<b>122</b>							
BS, RNC, T	NTT DoCoMo	EP 1011211	DE, FR, GB, IT, SE	17/04/2018	Receiver and method for coherent reception using received pilot symbols	4, 6	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S1, TS25.211 V3.12.0 S3.1, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.2, TS25.214 V3.12.0 S4.3.2.1, TS25.214 V3.12.0 S4.3.2.3
BS, T	NTT DoCoMo	CN 98805159		17/04/2018	Base station apparatus of mobile communication system	5, 6	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 13, TS25.211 V3.12.0 Fig. 15, TS25.211 V3.12.0 Figure 12, TS25.211 V3.12.0 Figure 17, TS25.211 V3.12.0 Figure 7, TS25.211 V3.12.0 Figure 9, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.2.2.1.3, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.2.3, TS25.211 V3.12.0 Table 11, TS25.211 V3.12.0 Table 16, TS25.211 V3.12.0 Table 18
BS, RNC, T	NTT DoCoMo	CA 2484367		17/04/2018	Base station apparatus of mobile communication system.	3, 5	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S1, TS25.211 V3.12.0 S3.2, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.2, TS25.211 V3.12.0 Table 12, TS25.211 V3.12.0 Table 17, TS25.211 V3.12.0 Table 3, TS25.211 V3.12.0 Table 4, TS25.214 V3.12.0 S4.3.2.1, TS25.214 V3.12.0 S4.3.2.3
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>123</b>							
T	NTT DoCoMo	JP 3704127		16/01/2017	Radio Transmitting Apparatus, Radio Receiving Apparatus and Radio Transmitting Method	1, 2, 3, 4, 5, 6, 7, 8	TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 Table 1, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.6.1, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.1.1, TS25.213 V3.9.0 Figure 1, TS25.213 V3.9.0 S4.2.1, TS25.214 V3.12.0 S5.1.2.5.3, TS25.301 V3.11.0 S5.3.1.1.1, TS25.301 V3.11.0 S5.3.1.1.2.1
<b>124</b>							
T	Mitsubishi	KR 561115		21/08/2022	Transmission of Additional Dedicated Physical Control Channel (ADPCCH) in W-CDMA system	1, 11	TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 Figure 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.2
T	Mitsubishi	EP 1471658	DE, FR, GB	21/08/2022	Transmission of additional dedicated physical control channel in W-CDMA system	1	TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1
T	Mitsubishi	US 7307943B2		21/08/2022	Mobile Station, Base Station, Communication System, and Communication Method	2	TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S5.2.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
T	Mitsubishi	CN 446446		21/08/2022	IQ multiplexing device and IQ multiplexing method	1	TS25.201 V5.2.0 Fig 2, TS25.201 V5.2.0 S4.2.6, TS25.211 V5.5.0 Fig 27, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S4.1.1.1, TS25.211 V5.5.0 S5.2.1, TS25.211 V5.5.0 S6.1, TS25.212 V5.7.0 Fig 1, TS25.212 V5.7.0 S4.1, TS25.212 V5.7.0 S4.2, TS25.212 V5.7.0 S4.2.10, TS25.212 V5.7.0 S4.2.12, TS25.212 V5.7.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
T	Mitsubishi	HK 1076210		21/08/2022	IQ multiplexing device and IQ multiplexing method	1	TS25.201 V5.2.0 Fig 2, TS25.201 V5.2.0 S4.2.6, TS25.211 V5.5.0 Figure 27, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S4.1.1.1, TS25.211 V5.5.0 S5.2.1, TS25.211 V5.5.0 S6.1, TS25.212 V5.7.0 Fig 1, TS25.212 V5.7.0 S4.1, TS25.212 V5.7.0 S4.2, TS25.212 V5.7.0 S4.2.10, TS25.212 V5.7.0 S4.2.12, TS25.212 V5.7.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
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<b>125</b>							
T	Mitsubishi	JP 3769007		10/05/2022	Communication system, base station and mobile station	2, 3	TR21.905 V5.10.0 S3, TS25.211 V5.7.0 Fig 2A, TS25.211 V5.7.0 S5.2.1, TS25.213 V5.6.0 S4.2.1 Figure 1, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.1, TS25.214 V5.11.0 S6A.1.2, TS25.308 V5.7.0 S3.2, TS25.308 V5.7.0 S4, TS25.331 V5.13.0 S10.3.6.23a, TS25.331 V5.13.0 S10.3.6.40a, TS25.401 V5.9.0 S3.1, TS25.401 V5.9.0 S3.2, TS25.401 V5.9.0 S5.1 Figure 1, TS25.401 V5.9.0 S6 Figure 4
<b>126</b>							
BS, T	Mitsubishi	JP 3768506		21/04/2020	Apparatus and method for a telecommunication system	1, 4	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8, TS25.331 V3.18.0 Figure 8.2.2-3, TS25.331 V3.18.0 S10.2.2.7, TS25.331 V3.18.0 S10.3.5.11, TS25.331 V3.18.0 S10.3.5.2, TS25.331 V3.18.0 S10.3.5.23, TS25.331 V3.18.0 S8.2.1, TS25.331 V3.18.0 S8.2.2
BS, T	Mitsubishi	US 7133388		20/04/2020	Method for balancing the ratio EB/I in a service multiplexing CDMA system and telecommunication systems using same	1, 5, 10, 11	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S3.2, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.1.1, TS25.212 V3.11.0 S4.2.8, TS25.331 V3.21.0 Fig. 8.2.2-3, TS25.331 V3.21.0 S10.2.2.7, TS25.331 V3.21.0 S10.3.5.11, TS25.331 V3.21.0 S10.3.5.2, TS25.331 V3.21.0 S10.3.5.23, TS25.331 V3.21.0 S10.3.6.88, TS25.331 V3.21.0 S3.2, TS25.331 V3.21.0 S8.2.2
BS, T	Mitsubishi	EP 1494384	DE, FR, GB	20/04/2020	Method for alancing the ratio Eb/I in a service multiplexing CDMA system and telecommunication system using this method	1, 5	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S3.2, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.1.1, TS25.212 V3.11.0 S4.2.8, TS25.331 V3.18.0 Figure 8.2.2-3, TS25.331 V3.18.0 S10.2.2.7, TS25.331 V3.18.0 S10.3.5.11, TS25.331 V3.18.0 S10.3.5.2, TS25.331 V3.18.0 S10.3.5.23, TS25.331 V3.18.0 S8.2.1, TS25.331 V3.18.0 S8.2.2
<b>127</b>							
BS, T	Mitsubishi	JP 3768522		21/04/2020	Apparatus and method for a telecommunication system	1, 5	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8, TS25.331 V3.21.0 Fig. 8.2.2-3, TS25.331 V3.21.0 S10.3.5.11, TS25.331 V3.21.0 S8.2.2
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<b>128</b>							
BS, T	Mitsubishi	JP 3774470		21/04/2020	Apparatus and method for a telecommunication system	1, 3	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8
<b>129</b>							
T	Mitsubishi	JP 3771249		10/12/2017	Transmission power and data rate based communication control method for a mobile communication system	1	TR21.905 V3.3.0 S3, TS25.321 V3.17.0 Figure 11.4.1, TS25.321 V3.17.0 S11.4
T	Mitsubishi	EP 1641141	DE, FR, GB	10/12/2017	Transmission power and data rate based communication control method for a mobile communication system	1	TR21.905 V3.3.0 S3, TS25.321 V3.17.0 Figure 11.4.1, TS25.321 V3.17.0 S11.4
<b>130</b>							
BS, RNC, T	NTT DoCoMo	JP 3872525		03/06/2018	Mobile Radio Communication System, mobile station and method for controlling diversity handover branch	1, 8, 14	TS25.133 V3.22.0 S5.1.1, TS25.133 V3.22.0 S8.1.2.2, TS25.133 V3.22.0 S8.1.2.2.1, TS25.211 V3.12.0 S5.3.3.1.1, TS25.215 V3.13.0 S5.1.1, TS25.215 V3.13.0 S5.1.5, TS25.331 V3.21.0 S10.2.17, TS25.331 V3.21.0 S10.2.19, TS25.331 V3.21.0 S10.2.48.8.14, TS25.331 V3.21.0 S10.2.48.8.15, TS25.331 V3.21.0 S10.3.7.33, TS25.331 V3.21.0 S10.3.7.35, TS25.331 V3.21.0 S10.3.7.36, TS25.331 V3.21.0 S10.3.7.40, TS25.331 V3.21.0 S10.3.7.44, TS25.331 V3.21.0 S10.3.7.47, TS25.331 V3.21.0 S13.4.0, TS25.331 V3.21.0 S8.1.1.1.2, TS25.331 V3.21.0 S8.3.4.1, TS25.331 V3.21.0 S8.3.4.2, TS25.331 V3.21.0 S8.4.0, TS25.401 V3.10.0 S3.1, TS25.401 V3.10.0 S6, TS25.430 V3.8.0 S5.2.6.2
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<b>131</b>							
T	Mitsubishi	EP 1471657B1	DE, FR, GB	21/08/2022	Transmission of Additional Dedicated Physical Control CHannel (ADPCCH) in W-CDMA system	1	TS25.211 V5.5.0 S5.2.1, TS25.213 V5.5.0 Figure 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.2 Fig. 7, TS25.308 V5.4.0 Fig. 5.2.3-1, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4, TS25.308 V5.4.0 S5.2.3
T	Mitsubishi	US 7145863B2		21/08/2022	Mobile station, base station, communication system and communication method	1	TS25.211 V5.5.0 Fig. 2A, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S5.2.1, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 Figure 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
T	Mitsubishi	KR 803240		21/08/2022	Mobile Station, Communication System, and Communication Method	1, 11	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2.2

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<b>132</b>							
T	Mitsubishi	EP 1404031B1	DE, FR, GB	21/08/2022	Transmission of Additional Dedicated Physical Control Channel (ADPCCH) in W-CDMA system	1	TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S5.2.1, TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 Figure 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2
T	Mitsubishi	KR 803239		21/08/2022	Mobile Station, Base Station, Communication System and Communication Method	1, 11	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2.2
T	Mitsubishi	CN 471095		21/08/2022	IQ multiplexing device and IQ multiplexing method	1	TS25.201 V5.2.0 Fig 2, TS25.201 V5.2.0 S4.2.6, TS25.211 V5.5.0 Fig 27, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S4.1.1.1, TS25.211 V5.5.0 S5.2.1, TS25.211 V5.5.0 S6.1, TS25.212 V5.7.0 Fig 1, TS25.212 V5.7.0 S4.1, TS25.212 V5.7.0 S4.2, TS25.212 V5.7.0 S4.2.10, TS25.212 V5.7.0 S4.2.12, TS25.212 V5.7.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S4
T	Mitsubishi	MX 246511		21/08/2022	Mobile station, Base station, Communication system and Communication method	1	TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S5.2.1, TS25.211 V5.5.0 S5.2.1.1, TS25.211 V5.5.0 S5.2.1.2, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 Figure 1A, TS25.213 V5.5.0 Figure 1B, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.2.1.1, TS25.213 V5.5.0 S4.2.1.2, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4
T	Mitsubishi	HK 1076209		21/08/2022	IQ multiplexing device and IQ multiplexing method	1	TS25.201 V5.2.0 Fig 2, TS25.201 V5.2.0 S4.2.6, TS25.211 V5.5.0 Figure 27, TS25.211 V5.5.0 S3.2, TS25.211 V5.5.0 S4.1, TS25.211 V5.5.0 S4.1.1, TS25.211 V5.5.0 S4.1.1.1, TS25.211 V5.5.0 S5.2.1, TS25.211 V5.5.0 S6.1, TS25.212 V5.7.0 Fig 1, TS25.212 V5.7.0 S4.1, TS25.212 V5.7.0 S4.2, TS25.212 V5.7.0 S4.2.10, TS25.212 V5.7.0 S4.2.12, TS25.212 V5.7.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.308 V5.4.0 S3.2, TS25.308 V5.4.0 S4

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<b>133</b>							
T	Mitsubishi	JP 3776431		31/01/2023	INFORMATION TRANSMITTING METHOD, MOBILE COMMUNICATION SYSTEM, BASE STATION AND MOBILE STATION	1, 4	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A (normative), TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
T	Mitsubishi	KR 10-0677002		31/01/2023	Information notification method, and mobile station	13, 22	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A (normative), TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
<b>134</b>							
T	Mitsubishi	JP 3776435		31/01/2023	INFORMATION TRANSMITTING METHOD, MOBILE COMMUNICATION SYSTEM, BASE STATION AND MOBILE STATION	1, 5	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A (normative), TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
T	Mitsubishi	KR 10-0677003		31/01/2023	Information notification method, and mobile station	1, 7	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A (normative), TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
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<b>135</b>							
BS, T	Mitsubishi	JP 3776439		31/01/2023	INFORMATION TRANSMITTING METHOD, MOBILE COMMUNICATION SYSTEM AND BASE STATION	1, 4	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3.1
BS, T	Mitsubishi	KR 10-0677004		31/01/2023	Information Notification Method, Mobile Communication System, and Base Station	1, 4, 7, 10	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A (normative), TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
<b>136</b>							
BS, T	Mitsubishi	JP 3776447		31/01/2023	INFORMATION TRANSMITTING METHOD, MOBILE COMMUNICATION SYSTEM AND BASE STATION	1, 5	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3.1
BS, T	Mitsubishi	KR 10-0816164		31/01/2023	Information transmitting method, mobile communication system and base station	1, 5	TS25.212 V5.3.0 S2, TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.213 V5.5.0 S5.2.1, TS25.308 V5.3.0 Figure 5.2.2.1-1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
<b>137</b>							
BS, T	Fujitsu	JP 3734393		29/10/2019	CDMA MOBILE COMMUNICATION SYSTEM	5	TS25.214 V3.12.0 S5.2.1.4.1, TS25.305 V3.11.0 S5, TS25.305 V3.11.0 S5.1
<b>138</b>							
BS, CN, RNC, T	Mitsubishi	JP 3770899		28/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 S4.4 Fig. 3, TS26.190 V6.0.0 S5.2.3, TS26.190 V6.0.0 S6.1, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3
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<b>139</b> BS, CN, RNC, T	Mitsubishi	JP 3770900		28/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S5.3.2, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3 Fig. 3
<b>140</b> BS, CN, RNC, T	Mitsubishi	JP 3770901		28/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S5.2.3, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3 Fig. 3
<b>141</b> T	Mitsubishi	JP 3782821		21/04/2020	Apparatus and method for a telecommunication system	1, 5	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8, TS25.331 V3.21.0 Fig. 8.2.2-3, TS25.331 V3.21.0 S10.3.10, TS25.331 V3.21.0 S10.3.5.11, TS25.331 V3.21.0 S8.2.1, TS25.331 V3.21.0 S8.2.2
<b>142</b> BS, T	Mitsubishi	JP 3768521		18/08/2020	A communication method of a telecommunication system, a telecommunication system, a communication method of a base station and a base station in a telecommunication system	1, 2, 3, 4	TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.7.2.1

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>143</b>							
BS, RNC, T	NTT DoCoMo	EP 1100204	DE, FR, GB, IT	09/05/2020	<b>Multiplexing Method and Multiplexing Device, and Data Signal Transmission Method and Data Signal Transmission Device</b>	1, 10	TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2 Fig. 1, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12 Fig. 1, TS25.212 V3.11.0 S4.2.12 Fig. 2, TS25.212 V3.11.0 S4.2.8
BS, RNC, T	NTT DoCoMo	US 6956842		09/05/2020	<b>Multiplexing Method and Multiplexing device and data signal transmission method and data signal transmission device</b>	1, 13	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.8
BS, RNC, T	NTT DoCoMo	JP 3871109		09/05/2020	<b>Interleaving Method and Transmission Device</b>	1, 9	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.8
BS, T	NTT DoCoMo	SG 78522		09/05/2020	<b>Multiplexing method and multiplexing device, and data signal transmission method and data signal transmission device</b>	5, 12	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.8, TS25.212 V3.11.0 Table 7
BS, T	NTT DoCoMo	AU 749821.		09/05/2020	<b>Multiplexing method and multiplexing device, and data signal transmission method and data signal transmission device</b>	5, 12, 15, 20	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 Figure 9, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.2, TS25.211 V3.12.0 Table 17, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.8, TS25.212 V3.11.0 S4.2.9, TS25.212 V3.11.0 Table 7
BS, RNC, T	NTT DoCoMo	CA 2336820		09/05/2020	<b>Data Multiplexing Method and Data Multiplexer, and Data Transmitting Method and Data Transmitter</b>	1, 9	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.8
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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BS, T	NTT DoCoMo	CN 00800803		08/05/2020	Data signal transmission method and data signal transmission device.	5, 12	TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.8, TS25.212 V3.11.0 Table 7
BS, RNC, T	NTT DoCoMo	KR 457895		09/05/2020	Multiplexing method and multiplexing device, and data signal transmission method and data signal transmission device.	28, 35	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 Figure 9, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Figure 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.8, TS25.212 V3.11.0 Table 7
144							
BS, RNC, T	NTT DoCoMo	US 6782035		17/04/2018	Base station apparatus of mobile communication system	6, 7, 8	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 Figure 10, TS25.211 V3.12.0 S1, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 10, TS25.212 V3.11.0 S4.2.12.2, TS25.212 V3.11.0 S4.2.9, TS25.212 V3.11.0 S4.2.9.1, TS25.212 V3.11.0 S4.2.9.2, TS25.213 V3.9.0 S4.2.1, TS25.214 V3.12.0 S5.1.2.1, TS25.214 V3.12.0 S5.1.2.2, TS25.214 V3.12.0 S5.1.2.2.1, TS25.214 V3.12.0 S5.1.2.5.1, TS25.214 V3.12.0 S5.1.2.5.2, TS25.214 V3.12.0 S5.1.2.5.3, TS25.214 V3.12.0 S5.2.1.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.433 V3.14.2 Fig. 24, TS25.433 V3.14.2 S8.2.17.2, TS25.433 V3.14.2 S9.1.36.1

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<b>145</b>							
BS, RNC, T	NTT DoCoMo	JP 3358972		09/07/2017	Radio Channel Initial Transmission Scheme for Mobile Communication System	1, 4	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.214 V3.12.0 S4.3.2.1, TS25.214 V3.12.0 S4.3.2.3, TS25.301 V3.11.0 Fig. 4, TS25.301 V3.11.0 Fig. 5, TS25.301 V3.11.0 S5.3.1.1.1, TS25.301 V3.11.0 S5.3.1.1.2.1, TS25.301 V3.11.0 S5.3.1.1.2.2, TS25.302 V3.16.0 S10.2.2.5, TS25.302 V3.16.0 S10.2.2.6, TS25.303 V3.12.0 Fig. 5, TS25.303 V3.12.0 S6.2.1.1.1
BS, RNC, T	NTT DoCoMo	EP 0818893	DE, FR, GB, IT, SE	11/07/2017	Radio Channel Initial Transmission Scheme for Mobile Communication System	2	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.3, TS25.211 V3.12.0 S5.3.2, TS25.214 V3.12.0 S4.3.2.1, TS25.214 V3.12.0 S4.3.2.3, TS25.301 V3.11.0 S5.3.1.1.1, TS25.301 V3.11.0 S5.3.1.1.2.2, TS25.302 V3.16.0 S10.2.1.1, TS25.302 V3.16.0 S10.2.2.5, TS25.302 V3.16.0 S10.2.2.6, TS25.303 V3.12.0 Fig. 5, TS25.303 V3.12.0 S6.2.1.1.1
BS, RNC, T	NTT DoCoMo	US 6073022		11/07/2017	Radio Channel Initial Transmission Scheme for Mobile Communication System	4, 10	TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.214 V3.12.0 S3, TS25.214 V3.12.0 S4.3.2.1, TS25.214 V3.12.0 S4.3.2.3, TS25.301 V3.11.0 Fig. 4, TS25.301 V3.11.0 Fig. 5, TS25.301 V3.11.0 S5.3.1.1.1, TS25.301 V3.11.0 S5.3.1.1.2.1, TS25.301 V3.11.0 S5.3.1.1.2.2, TS25.302 V3.16.0 S10.2.2.5, TS25.302 V3.16.0 S10.2.2.6, TS25.303 V3.12.0 Fig. 5, TS25.303 V3.12.0 S6.2.1.1.1
<b>146</b>							
BS, RNC, T	NEC	US 6978150		25/03/2023	Apparatus and method for transmission power balance adjustment in a mobile cellular system	29, 30, 31	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S5.1, TS25.214 V3.12.0 S5.2.1.2.1, TS25.214 V3.12.0 S5.2.1.2.2, TS25.402 V3.10.0 S5, TS25.433 V3.14.2 S8.3.7.2 Fig. 37, TS25.433 V3.14.2 S9.1.51, TS25.433 V3.14.2 S9.2.2.B
BS, RNC, T	NEC	JP 3870925		30/06/2020	Transmission power control system, control method, base station, and transmission power control method in a base station	6, 7, 8	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S5.1, TS25.402 V3.10.0 S5, TS25.433 V3.14.2 Fig. 37, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.51, TS25.433 V3.14.2 S9.2.2.B
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<b>147</b> CN, RNC, T	NEC	JP 3570508		07/08/2021	Communication system, method thereof, switching center thereof and base station control station thereof	40, 41, 42	TS23.002 V4.8.0 S4.1.3, TS23.002 V4.8.0 S4.2.2.1, TS23.002 V4.8.0 S4.2.2.2, TS23.060 V4.10.0 Fig. 50, TS23.060 V4.10.0 S6.12.1, TS25.413 V4.12.0 S8.2.1, TS25.413 V4.12.0 S8.2.2, TS25.413 V4.12.0 S9.1.3, TS25.413 V4.12.0 S9.2.1.43
<b>148</b> T	Mitsubishi	JP 3795060		18/08/2020	A communication method of a communication terminal	1, 4	TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.7.2.1, TS25.331 V3.20.0 Fig. 8.2.2-3, TS25.331 V3.20.0 S10.2.27, TS25.331 V3.20.0 S10.3.5.1, TS25.331 V3.20.0 S10.3.5.11, TS25.331 V3.20.0 S10.3.5.23, TS25.331 V3.20.0 S8.2.2
<b>149</b> T	Mitsubishi	JP 3795061		18/08/2020	A communication method of a communication terminal	1, 4	TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S3.3, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.7.2, TS25.212 V3.11.0 S4.2.7.2.1, TS25.212 V3.11.0 S4.2.7.2.2.1, TS25.331 V3.20.0 Fig. 8.2.2-3, TS25.331 V3.20.0 S10.2.27, TS25.331 V3.20.0 S10.3.5.1, TS25.331 V3.20.0 S10.3.5.11, TS25.331 V3.20.0 S10.3.5.23, TS25.331 V3.20.0 S8.2.2
<b>150</b> T	Sharp	JP 3813627		31/08/2012	Method for improving performances of a mobile radiocommunication system using a power control algorithm * Expiry date of right to license: 31 August 2012	1, 2, 3	TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.331 V6.6.0 S8.1.1.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
<b>151</b> T	Mitsubishi	JP 3802914		10/05/2022	A communication system, base station, and mobile station of mobile communications for carrying out high-speed radio data communication	2, 3	TS25.211 V5.7.0 Fig 2A, TS25.211 V5.7.0 Fig. 27, TS25.211 V5.7.0 S5.2.1, TS25.211 V5.7.0 S6.1, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 Table 7A, TS25.308 V5.7.0 Fig. 6.1.1-1, TS25.308 V5.7.0 S4, TS25.308 V5.7.0 S6.1.1, TS25.331 V5.13.0 S10.2.33, TS25.331 V5.13.0 S10.3.6.23a, TS25.331 V5.13.0 S10.3.6.40a

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<b>152</b>							
T	Mitsubishi	JP 3805355		16/06/2024	A channelization assignment that can be applied to an overshoot of HPSK (Hybrid Phase Shift Keying) even when the number of multiplexes of DPDCH (Dedicated Physical Data Channel) is five or more.	1, 4	TS25.212 V6.3.0 S4.8.4.1, TS25.213 V6.1.0 Fig. 1, TS25.213 V6.1.0 Fig. 1c, TS25.213 V6.1.0 Fig. 4, TS25.213 V6.1.0 Fig. 7, TS25.213 V6.1.0 S4.1, TS25.213 V6.1.0 S4.2.1, TS25.213 V6.1.0 S4.2.1.3, TS25.213 V6.1.0 S4.3.1.1, TS25.213 V6.1.0 S4.3.1.2, TS25.213 V6.1.0 S4.4.2, TS25.213 V6.1.0 Table 0, TS25.213 V6.1.0 Table 1B, TS25.213 V6.1.0 Table 1C, TS25.213 V6.1.0 Table 1E
T	Mitsubishi	KR 10-0769311		16/06/2024	Communication Apparatus	4, 17	TS25.212 V6.3.0 S4.8.4.1, TS25.213 V6.1.0 Fig. 1, TS25.213 V6.1.0 Fig. 1c, TS25.213 V6.1.0 Fig. 4, TS25.213 V6.1.0 Fig. 7, TS25.213 V6.1.0 S3.2, TS25.213 V6.1.0 S4.2.1, TS25.213 V6.1.0 S4.2.1.3, TS25.213 V6.1.0 S4.3.1.1, TS25.213 V6.1.0 S4.3.1.2, TS25.213 V6.1.0 S4.3.1.2.3, TS25.213 V6.1.0 S4.4.2, TS25.213 V6.1.0 Table 0, TS25.213 V6.1.0 Table 1B, TS25.213 V6.1.0 Table 1C, TS25.213 V6.1.0 Table 1E
T	Mitsubishi	US 7519105		16/06/2025	Channel code assignment according to gain factor	1, 9	TS25.212 V6.3.0 S4.8.4.1, TS25.213 V6.1.0 Fig. 1, TS25.213 V6.1.0 Fig. 1c, TS25.213 V6.1.0 Fig. 4, TS25.213 V6.1.0 Fig. 7, TS25.213 V6.1.0 S4.1, TS25.213 V6.1.0 S4.2.1, TS25.213 V6.1.0 S4.2.1.3, TS25.213 V6.1.0 S4.3.1.1, TS25.213 V6.1.0 S4.3.1.2, TS25.213 V6.1.0 S4.3.1.2.3, TS25.213 V6.1.0 S4.4.2, TS25.213 V6.1.0 Table 0, TS25.213 V6.1.0 Table 1B, TS25.213 V6.1.0 Table 1C, TS25.213 V6.1.0 Table 1E
T	Mitsubishi	CN 100518000		06/06/2025	Communications Method, Communications Apparatus	1, 4	TS25.212 V6.3.0 S4.8.4.1, TS25.213 V6.1.0 Fig. 1, TS25.213 V6.1.0 Fig. 1c, TS25.213 V6.1.0 Fig. 4, TS25.213 V6.1.0 Fig. 7, TS25.213 V6.1.0 S4.1, TS25.213 V6.1.0 S4.2.1, TS25.213 V6.1.0 S4.2.1.3, TS25.213 V6.1.0 S4.3.1.1, TS25.213 V6.1.0 S4.3.1.2, TS25.213 V6.1.0 S4.3.1.2.3, TS25.213 V6.1.0 S4.4.2, TS25.213 V6.1.0 Table 0, TS25.213 V6.1.0 Table 1B, TS25.213 V6.1.0 Table 1C, TS25.213 V6.1.0 Table 1E
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
<b>153</b>							
T	Mitsubishi	US 7061892		22/08/2022	Information notification method, mobile communications system, base station, and mobile station	1, 3	TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3.1
BS, T	Mitsubishi	US 7532602		11/12/2024	Information transmission method, mobile communications system, base station, and mobile station	6, 9	TS25.211 V5.8.0 S5.3.3.12, TS25.212 V5.3.0 S4.6, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3, TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
<b>154</b>							
T	Mitsubishi	US 7050413		22/08/2022	Information transmission method, mobile communications system, base station and mobile station in which data size of identification data is reduced	1, 4	TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3.1
BS, T	Mitsubishi	CN 1258895		11/11/2022	Information transmission method, mobile communications system, and base station	1, 3, 5, 7	TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.5, TS25.212 V5.3.0 S4.6, TS25.212 V5.3.0 S4.6.2.2, TS25.212 V5.3.0 S4.6.2.3, TS25.308 V5.3.0 Fig 6.2.3-1, TS25.308 V5.3.0 S5.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.308 V5.3.0 S6.2.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3.1, TS25.401 V5.10.0 S3.1, TS25.401 V5.10.0 S6, TS25.401 V5.10.0 S6.1, TS25.401 V5.10.0 S6.1.7
T	Mitsubishi	KR 10-0856604		31/01/2023	Information notification method, information communication system, base station and mobile station	4, 13	TS25.212 V5.3.0 S3.3, TS25.212 V5.3.0 S4.6, TS25.308 V5.3.0 Figure 5.2.2.1-1, TS25.308 V5.3.0 S5.2.1, TS25.308 V5.3.0 S5.2.2.1, TS25.308 V5.3.0 S5.3, TS25.321 V5.7.0 Annex A, TS25.321 V5.7.0 S9.2.3.1, TS25.321 V5.7.0 Table 9.2.3.1
<b>155</b>							
BS, CN, RNC, T	Mitsubishi	JP 3773509		28/10/2014	Wideband Speech Reconstruction Method and Wideband Speech Reconstruction Apparatus	1, 2	TS26.190 V6.0.0 S4.4, TS26.190 V6.0.0 S6.1, TS26.190 V6.0.0 S6.3.1, TS26.190 V6.0.0 S6.3.2.2, TS26.190 V6.0.0 S6.3.3
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>156</b>							
BS, RNC, T	NTT DoCoMo, NTT	JP 2560854		19/09/2009 (Expired)	Method of controlling mobile communications	1	TS25.201 V5.0.0 S4.2.3, TS25.211 V5.0.0 S5.3.3.1.1, TS25.215 V5.0.0 S5.1.1, TS25.331 V5.0.0 Fig. 8.1.1-1, TS25.331 V5.0.0 S10.2.48.8.14, TS25.331 V5.0.0 S10.2.48.8.15, TS25.331 V5.0.0 S10.3.7.2, TS25.331 V5.0.0 S10.3.7.33, TS25.331 V5.0.0 S10.3.7.40, TS25.331 V5.0.0 S10.3.7.47, TS25.331 V5.0.0 S14.1.2.3, TS25.331 V5.0.0 S14.1.2.3-1, TS25.331 V5.0.0 S14.1.5.3, TS25.331 V5.0.0 S8.1.1, TS25.331 V5.0.0 S8.1.1.1.2, TS25.331 V5.0.0 S8.3.4.1, TS25.331 V5.0.0 S8.3.4.2, TS25.331 V5.0.0 Table 8.1.1, TS25.401 V5.2.0 S3.1
<b>157</b>							
T	Mitsubishi	JP 3847654		05/03/2019	Communication method	1	TS25.101 V3.13.0 Annex A.5, TS25.101 V3.13.0 Table A.22, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V3.11.0 Fig 15, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 14, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.10, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12.1, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.3, TS25.212 V3.11.0 S4.4.3.2, TS25.212 V3.11.0 S4.4.4, TS25.214 V5.4.0 S5.1.2.1, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2
T	Mitsubishi	EP 1689089B1	DE, FR, GB	05/03/2019	Spread spectrum communication method using a compressed mode	1	
<b>158</b>							
T	Mitsubishi	JP 3836489		25/04/2020	Communication method	1, 5	TS25.101 V5.11.0 S6.2.1, TS25.101 V5.11.0 S6.2.2, TS25.101 V5.11.0 Table 6.1, TS25.101 V5.11.0 Table 6.1A, TS25.133 V5.11.0 S6.4.2, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 S4.2.1, TS25.214 V5.9.0 S5.1.2.1, TS25.214 V5.9.0 S5.1.2.2.1, TS25.214 V5.9.0 S5.1.2.5.1, TS25.214 V5.9.0 S5.1.2.5A
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>159</b>							
T	Mitsubishi	JP 3866275		13/02/2024	Communications system, communications apparatus, communications terminal and communications method	3, 4	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1
T	Mitsubishi	KR 10-0788416		13/02/2024	Communication system, communication device, communication terminal and communication method	1, 2	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1
T	Mitsubishi	US 7352698		13/02/2024	Communications System, Communications Apparatus, Communications Terminal, And Communications Method	1, 2	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1
T	Mitsubishi	CN 100428844		13/02/2024	Communication system, communication device, communication terminal, and communication method.	1, 2	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1
T	Mitsubishi	EP 1599060	DE, FR, GB	13/02/2024	System and method for the reception of an MBMS service and a dedicated service	2	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>160</b>							
BS, RNC, T	Mitsubishi	US 7126931		13/12/2018	Radio communication system and base station employing CDMA *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1, 2	TS25.301 V3.11.0 Fig. 11, TS25.301 V3.11.0 Fig. 13, TS25.301 V3.11.0 Fig. 16, TS25.301 V3.11.0 S5.3.1.1.2.1, TS25.301 V3.11.0 S5.3.1.1.2.2, TS25.301 V3.11.0 S5.6.1, TS25.301 V3.11.0 S5.6.2, TS25.301 V3.11.0 S5.6.4, TS25.301 V3.11.0 S5.6.5.4, TS25.305 V3.11.0 S3.2, TS25.331 V3.21.0 Fig. 8.2.2-3, TS25.331 V3.21.0 S10.2.27, TS25.331 V3.21.0 S10.3.3.1, TS25.331 V3.21.0 S10.3.6.21, TS25.331 V3.21.0 S10.3.6.27, TS25.331 V3.21.0 S8.2.2, TS25.331 V3.21.0 S8.2.2.2, TS25.331 V3.21.0 S8.2.2.3, TS25.331 V3.21.0 S8.2.2.4, TS25.331 V3.21.0 S8.6.3.1, TS25.401 V1.1.1 S6, TS25.401 V1.1.1 S6.1.1, TS25.401 V1.1.1 S7.2.4.5, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S9.4, TS25.433 V3.14.2 Fig. 30, TS25.433 V3.14.2 S8.3.2.1, TS25.433 V3.14.2 S8.3.2.2, TS25.433 V3.14.2 S9.1.42.1, TS25.433 V3.14.2 S9.1.45, TS25.433 V3.14.2 S9.2.2.14, TS25.433 V3.14.2 S9.2.2.14A, TS25.433 V6.5.0 Figure 32, TS25.433 V6.5.0 S8.3.3.1, TS25.433 V6.5.0 S8.3.3.2
BS, RNC, T	Mitsubishi	EP 1257074	DE, FR, GB	10/03/2019	A method and apparatus for assigning codes *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.331 V3.21.0 S10.2.27, TS25.331 V3.21.0 S10.3.3.1, TS25.331 V3.21.0 S10.3.6.21, TS25.331 V3.21.0 S10.3.6.27, TS25.331 V3.21.0 S8.2.2.2, TS25.331 V3.21.0 S8.2.2.3, TS25.331 V3.21.0 S8.6.3.1, TS25.401 V1.1.1 S6, TS25.401 V1.1.1 S6.1.1, TS25.401 V1.1.1 S7.2.4.5, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S9.4, TS25.433 V3.14.2 S8.3.2.1, TS25.433 V3.14.2 S8.3.2.2, TS25.433 V3.14.2 S8.3.3.1, TS25.433 V3.14.2 S8.3.3.2, TS25.433 V3.14.2 S9.1.42.1, TS25.433 V3.14.2 S9.1.45, TS25.433 V3.14.2 S9.2.2.14, TS25.433 V3.14.2 S9.2.2.14A

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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BS, RNC, T	Mitsubishi	EP 1677447	DE, FR, GB	10/03/2019	<b>A method and apparatus for assigning codes</b> *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.331 V3.21.0 S10.2.27, TS25.331 V3.21.0 S10.3.3.1, TS25.331 V3.21.0 S10.3.6.21, TS25.331 V3.21.0 S10.3.6.27, TS25.331 V3.21.0 S8.2.2.2, TS25.331 V3.21.0 S8.2.2.3, TS25.331 V3.21.0 S8.6.3.1, TS25.401 V1.1.1 S3.1, TS25.401 V1.1.1 S6, TS25.401 V1.1.1 S6.1.1, TS25.401 V1.1.1 S7.2.4.5, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S9.4, TS25.433 V3.14.2 Fig. 30, TS25.433 V3.14.2 Figure 32, TS25.433 V3.14.2 S8.3.2.1, TS25.433 V3.14.2 S8.3.2.2, TS25.433 V3.14.2 S8.3.3.1, TS25.433 V3.14.2 S8.3.3.2, TS25.433 V3.14.2 S9.1.42.1, TS25.433 V3.14.2 S9.1.45, TS25.433 V3.14.2 S9.2.2.14, TS25.433 V3.14.2 S9.2.2.14A

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<b>161</b>							
CN, T	FT	EP 0749626	DE, FR, GB, IT, NL, SE	04/01/2016	Speech coding method using linear prediction and algebraic code excitation	1	TS26.190 V6.1.1 S1, TS26.190 V6.1.1 S4, TS26.190 V6.1.1 S4.1, TS26.190 V6.1.1 S4.2, TS26.190 V6.1.1 S4.3, TS26.190 V6.1.1 S4.4, TS26.190 V6.1.1 S5, TS26.190 V6.1.1 S5.2.3, TS26.190 V6.1.1 S5.7, TS26.190 V6.1.1 S5.8, TS26.190 V6.1.1 S5.8.1, TS26.190 V6.1.1 S5.8.1.1, TS26.190 V6.1.1 S5.8.1.2, TS26.190 V6.1.1 S5.8.1.3, TS26.190 V6.1.1 S5.8.1.4, TS26.190 V6.1.1 S5.8.1.5, TS26.190 V6.1.1 S5.8.1.6, TS26.190 V6.1.1 S5.8.1.7, TS26.190 V6.1.1 S5.8.1.8, TS26.190 V6.1.1 S5.8.2, TS26.190 V6.1.1 S5.8.3, TS26.190 V6.1.1 S5.9, TS26.190 V6.1.1 Table 10, TS26.190 V6.1.1 Table 11, TS26.190 V6.1.1 Table 4, TS26.190 V6.1.1 Table 6, TS26.190 V6.1.1 Table 7, TS26.190 V6.1.1 Table 8, TS26.190 V6.1.1 Table 9, TS26.290 V6.3.0 Fig.1, TS26.290 V6.3.0 S3, TS26.290 V6.3.0 S3.1, TS26.290 V6.3.0 S4, TS26.290 V6.3.0 S4.1, TS26.290 V6.3.0 S4.2, TS26.290 V6.3.0 S4.3, TS26.290 V6.3.0 S5.3, TS26.290 V6.3.0 S5.3.3, TS26.290 V6.3.0 S5.3.4.2, TS26.290 V6.3.0 S5.3.4.4, TS26.290 V6.3.0 S5.3.4.5, TS26.290 V6.3.0 S5.3.4.5.1, TS26.290 V6.3.0 S5.3.4.5.2, TS26.290 V6.3.0 S5.3.4.5.3, TS26.290 V6.3.0 S5.3.4.6, TS26.290 V6.3.0 S5.8.2, TS26.290 V6.3.0 S5.8.3, TS26.290 V6.3.0 S5.9
CN, T	FT	JP 3481251		04/01/2016	Speech coding method using linear prediction and algebraic code excitation	1	TS26.190 V6.1.1 S1, TS26.190 V6.1.1 S3, TS26.190 V6.1.1 S3.1, TS26.190 V6.1.1 S3.2, TS26.190 V6.1.1 S4, TS26.190 V6.1.1 S4.1, TS26.190 V6.1.1 S4.2, TS26.190 V6.1.1 S4.3, TS26.190 V6.1.1 S5.2, TS26.190 V6.1.1 S5.2.3, TS26.190 V6.1.1 S5.3, TS26.190 V6.1.1 S5.5, TS26.190 V6.1.1 S5.7, TS26.190 V6.1.1 S5.8, TS26.190 V6.1.1 S5.8.1, TS26.190 V6.1.1 S5.8.1.1, TS26.190 V6.1.1 S5.8.1.2, TS26.190 V6.1.1 S5.8.1.3, TS26.190 V6.1.1 S5.8.1.4, TS26.190 V6.1.1 S5.8.1.5, TS26.190 V6.1.1 S5.8.1.6, TS26.190 V6.1.1 S5.8.1.7, TS26.190 V6.1.1 S5.8.1.8, TS26.190 V6.1.1 S5.8.3, TS26.190 V6.1.1 S5.9, TS26.190 V6.1.1 Table 4-11

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
CN, T	FT	US 5717825		04/01/2016	Speech coding method using linear prediction and algebraic code excitation	1	TS26.190 V6.1.1 S1, TS26.190 V6.1.1 S3.1, TS26.190 V6.1.1 S3.2, TS26.190 V6.1.1 S4, TS26.190 V6.1.1 S4.1, TS26.190 V6.1.1 S4.2, TS26.190 V6.1.1 S4.3, TS26.190 V6.1.1 S5.2, TS26.190 V6.1.1 S5.2.3, TS26.190 V6.1.1 S5.3, TS26.190 V6.1.1 S5.3.8, TS26.190 V6.1.1 S5.5, TS26.190 V6.1.1 S5.6, TS26.190 V6.1.1 S5.7, TS26.190 V6.1.1 S5.8, TS26.190 V6.1.1 S5.8.1.1, TS26.190 V6.1.1 S5.8.1.2, TS26.190 V6.1.1 S5.8.1.3, TS26.190 V6.1.1 S5.8.1.4, TS26.190 V6.1.1 S5.8.1.5, TS26.190 V6.1.1 S5.8.1.6, TS26.190 V6.1.1 S5.8.1.7, TS26.190 V6.1.1 S5.8.1.8, TS26.190 V6.1.1 S5.9
CN, T	FT	KR 10-0389693		04/01/2016	Speech coding method using linear prediction and algebraic code excitation.	1	TS26.190 V6.1.1 S1, TS26.190 V6.1.1 S3.1, TS26.190 V6.1.1 S3.2, TS26.190 V6.1.1 S4, TS26.190 V6.1.1 S4.1, TS26.190 V6.1.1 S4.2, TS26.190 V6.1.1 S4.3, TS26.190 V6.1.1 S5.2, TS26.190 V6.1.1 S5.2.3, TS26.190 V6.1.1 S5.3, TS26.190 V6.1.1 S5.5, TS26.190 V6.1.1 S5.6, TS26.190 V6.1.1 S5.7, TS26.190 V6.1.1 S5.8.1, TS26.190 V6.1.1 S5.8.1.1, TS26.190 V6.1.1 S5.8.1.2, TS26.190 V6.1.1 S5.8.1.3, TS26.190 V6.1.1 S5.8.1.4, TS26.190 V6.1.1 S5.8.1.5, TS26.190 V6.1.1 S5.8.1.6, TS26.190 V6.1.1 S5.8.1.7, TS26.190 V6.1.1 S5.8.1.8, TS26.190 V6.1.1 S5.8.2, TS26.190 V6.1.1 S5.8.3, TS26.190 V6.1.1 S5.9, TS26.190 V6.1.1 Table 10, TS26.190 V6.1.1 Table 11, TS26.190 V6.1.1 Table 4, TS26.190 V6.1.1 Table 5, TS26.190 V6.1.1 Table 6, TS26.190 V6.1.1 Table 7, TS26.190 V6.1.1 Table 8, TS26.190 V6.1.1 Table 9, TS26.290 V6.3.0 Fig.1, TS26.290 V6.3.0 S1, TS26.290 V6.3.0 S2, TS26.290 V6.3.0 S3.1, TS26.290 V6.3.0 S4.1, TS26.290 V6.3.0 S4.2, TS26.290 V6.3.0 S4.3, TS26.290 V6.3.0 S5.3.2.3, TS26.290 V6.3.0 S5.3.3, TS26.290 V6.3.0 S5.3.4.2, TS26.290 V6.3.0 S5.3.4.3, TS26.290 V6.3.0 S5.3.4.4, TS26.290 V6.3.0 S5.3.4.5, TS26.290 V6.3.0 S5.3.4.5.1, TS26.290 V6.3.0 S5.3.4.5.2, TS26.290 V6.3.0 S5.3.4.5.3, TS26.290 V6.3.0 S5.3.4.6

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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CN, T	FT	CA 2182386		04/01/2016	Speech Coding Method Using Linear Prediction and algebraic code excitation	1	TS26.190 V6.1.1 Foreword, TS26.190 V6.1.1 S1, TS26.190 V6.1.1 S3.1, TS26.190 V6.1.1 S3.2, TS26.190 V6.1.1 S4, TS26.190 V6.1.1 S4.1, TS26.190 V6.1.1 S4.2, TS26.190 V6.1.1 S4.3, TS26.190 V6.1.1 S5.2, TS26.190 V6.1.1 S5.2.3, TS26.190 V6.1.1 S5.3, TS26.190 V6.1.1 S5.5, TS26.190 V6.1.1 S5.6, TS26.190 V6.1.1 S5.7, TS26.190 V6.1.1 S5.8, TS26.190 V6.1.1 S5.8.1, TS26.190 V6.1.1 S5.8.1.1, TS26.190 V6.1.1 S5.8.1.2, TS26.190 V6.1.1 S5.8.1.3, TS26.190 V6.1.1 S5.8.1.4, TS26.190 V6.1.1 S5.8.1.5, TS26.190 V6.1.1 S5.8.1.6, TS26.190 V6.1.1 S5.8.1.7, TS26.190 V6.1.1 S5.8.1.8, TS26.190 V6.1.1 S5.8.2, TS26.190 V6.1.1 S5.8.3, TS26.190 V6.1.1 S5.9, TS26.190 V6.1.1 Table 11, TS26.190 V6.1.1 Table 4, TS26.190 V6.1.1 Table 5
<b>162</b>							
T	FT	EP 0662674	DE, FR, GB	09/01/2015	Terminal-card system, card and terminal	1, 15	TS02 221 V3.17.0 Fig. 7.15, TS02 221 V3.17.0 Intro, TS02 221 V3.17.0 S1, TS02 221 V3.17.0 S11.2.4.1, TS02 221 V3.17.0 S11.2.4.2, TS02 221 V3.17.0 S14.6.1, TS02 221 V3.17.0 S3.1, TS02 221 V3.17.0 S7.4.2, TS02 221 V3.17.0 S7.4.2.1, TS31 111 V3.13.0 S6.5.1, TS31 111 V3.13.0 S6.7, TS31 111 V3.13.0 S6.8, TS31 111 V3.13.0 S6.8.1, TS31 111 V3.13.0 S6.8.2

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<b>163</b>							
CN, T	FT	EP 0562890B2	AT, BE, CH, DE, ES, FR, GB, IE, IT, LI, LU, NL, SE	29/03/2013	Mobile Communication Network with Remote Updating of Subscriber Identity Modules in Mobile Terminals	1, 5	TS01.02 V6.0.1 S4.3, TS01.02 V6.0.1 S5, TS01.02 V6.0.1 S5.2, TS02.17 V8.0.0 S1, TS02.17 V8.0.0 S6.2, TS11.11 V8.13.0 Annex E, TS11.11 V8.13.0 Annex I, TS11.14 V8.17.0 S3.2, TS11.14 V8.17.0 S7, TS11.14 V8.17.0 S7.1, TS11.14 V8.17.0 S7.1.1, TS11.14 V8.17.0 S7.1.2, TS22.003 V6.0.0 Annex A.1.3.4, TS22.003 V6.0.0 Annex A.1.3.4.2, TS22.038 V3.4.0 S9.1, TS23.040 V3.9.0 Fig 1, TS23.040 V3.9.0 S3.1, TS23.040 V3.9.0 S3.2.3, TS23.040 V3.9.0 S9.2.3, TS23.040 V3.9.0 S9.2.3.22, TS23.040 V3.9.0 S9.2.3.24, TS23.040 V3.9.0 S9.2.3.24.10, TS23.040 V3.9.0 S9.2.3.24.10.1, TS23.040 V3.9.0 S9.2.3.24.10.1.1, TS23.040 V3.9.0 S9.2.3.9
CN, T	FT	HK 1005009	HK	29/03/2013	Mobile communication network with remote updating of subscriber identity modules in mobile terminals.	1, 5	TS11.11 V8.13.0 Annex E, TS11.11 V8.13.0 Annex I, TS11.14 V8.17.0 S3.2, TS11.14 V8.17.0 S7.1.1, TS11.14 V8.17.0 S7.1.2, TS22.003 V6.0.0 Annex A.1.3.4, TS22.038 V3.4.0 S9.1, TS23.040 V3.9.0 S3.1, TS23.040 V3.9.0 S3.2.3, TS23.040 V3.9.0 S9.2.3, TS23.040 V3.9.0 S9.2.3.22, TS23.040 V3.9.0 S9.2.3.24, TS23.040 V3.9.0 S9.2.3.24.10.1, TS23.040 V3.9.0 S9.2.3.24.10.1.1, TS23.040 V3.9.0 S9.2.3.9
<b>164</b>							
T	Mitsubishi	JP 3828120		04/03/2019	Mobile radio communication system, receiver, transmitter and mobile radio communication method	2, 4	TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.133 V6.0.0 Table 8.7, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 S4.4, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1
T	Mitsubishi	EP 1480484	DE, FR, GB	04/03/2019	System, receiver, transmitter and corresponding method applied in a mobile radio communication system for observing frequency of another system.	2, 6	TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.133 V6.0.0 Table 8.7, TS25.201 V6.0.0 S4.1.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 S4.4, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S1, TS45.001 V4.4.0 S5.1
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>165</b>							
BS, T	NTT DoCoMo	JP 3830068		09/04/2018	Signal Quality detection method in mobile communication and control method for mobile station	1, 4	TS25.101 V3.18.0 S8.9, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S3.2, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 13, TS25.212 V3.11.0 Fig. 14, TS25.212 V3.11.0 S3.1, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.2, TS25.212 V3.11.0 S4.4.4, TS25.215 V3.13.0 S5.1.1, TS25.215 V3.13.0 S5.1.4, TS25.215 V3.13.0 S5.1.5, TS25.215 V3.13.0 S6.1.1.1, TS25.225 V3.12.0 S5.1.1, TS25.225 V3.12.0 S5.1.5, TS25.331 V3.21.0 S10.2.17, TS25.331 V3.21.0 S10.3.7.16, TS25.331 V3.21.0 S10.3.7.18, TS25.331 V3.21.0 S10.3.7.27, TS25.331 V3.21.0 S10.3.7.29, TS25.331 V3.21.0 S8.4.0, TS25.331 V3.21.0 S8.4.1.3
<b>166</b>							
BS, T	Siemens	EP 1590982B1	BE, DE, ES, FR, GB, IT, TR	26/01/2024	Communication method and network device in a radio communication system	1, 12	TS22.146 V6.6.0 S3.1, TS25.211 V6.7.0 S5.3.3.15, TS25.346 V6.7.0 S1, TS25.346 V6.7.0 S3.3, TS25.346 V6.7.0 S5.1.1, TS25.346 V6.7.0 S5.1.2, TS25.346 V6.7.0 S5.1.5, TS25.346 V6.7.0 S5.2.1, TS25.346 V6.7.0 S5.2.4, TS25.346 V6.7.0 S6.2.1.1, TS25.346 V6.7.0 S6.3, TS25.346 V6.7.0 S7.3
BS, T	Siemens	EA 008051B1		26/01/2024	Communication method and network device in radio communication system	1, 12	TS22.146 V6.6.0 S3.1, TS25.211 V6.7.0 S5.3.3.15, TS25.346 V6.7.0 S1, TS25.346 V6.7.0 S3.3, TS25.346 V6.7.0 S5.1.1, TS25.346 V6.7.0 S5.1.2, TS25.346 V6.7.0 S5.1.5, TS25.346 V6.7.0 S5.2.1, TS25.346 V6.7.0 S5.2.4, TS25.346 V6.7.0 S6.2.1.1, TS25.346 V6.7.0 S6.3, TS25.346 V6.7.0 S7.3
<b>167</b>							
BS, RNC, T	NEC	JP 3788307		13/12/2019	Base station selection type transmission power control method and base station	1, 10, 19	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.3.2, TS25.214 V3.12.0 S5.2.1.4.1, TS25.214 V3.12.0 S5.2.1.4.3, TS25.214 V3.12.0 S5.2.1.4.4, TS25.214 V3.12.0 S5.2.1.4.5, TS25.214 V3.12.0 Table 6
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>168</b>							
BS, RNC, T	Sharp	EP 1252787B1	DE, FR, GB, IT	23/12/2020	Method for operating a mobile radio telephone network	1	TS23.060 V6.15.0 S3.2, TS23.060 V6.15.0 S6.9.2.2.1, TS25.323 V6.8.0 S3.2, TS25.323 V6.8.0 S5, TS25.323 V6.8.0 S5.4.1, TS25.323 V6.8.0 S5.6.1.3
BS, RNC, T	Sharp	JP 3909241		23/12/2020	Method for operating a mobile radiotelephone network	1	TS23.060 V6.15.0 S3.2, TS23.060 V6.15.0 S6.9.2.2.1, TS25.323 V6.8.0 S3.2, TS25.323 V6.8.0 S5, TS25.323 V6.8.0 S5.4.1, TS25.323 V6.8.0 S5.6.1.3
BS, RNC, T	Sharp	US 7283511		16/10/2024	Method for operating a mobile radiotelephone network	1	TS23.060 V6.15.0 S3.2, TS23.060 V6.15.0 S6.9.2.2.1, TS25.323 V6.8.0 S3.2, TS25.323 V6.8.0 S5.4.1, TS25.323 V6.8.0 S5.6.1.3
<b>169</b>							
BS, T	Siemens	EP 1271970	AT, BE, CH, DE, ES, FR, GB, IT, NL, SE, TR	27/06/2021	Methods, devices and software programs for processing and/or evaluating Multimedia Messaging Service (MMS) messages	1, 10	TS102 223 V7.4.0 S3.1, TS102 223 V7.4.0 S6.4.37, TS102 223 V7.4.0 S7.7, TS102 223 V7.4.0 S7.7.1, TS21.111 V6.3.0 S4, TS22.038 V7.5.0 Figure 1, TS22.038 V7.5.0 S1, TS22.038 V7.5.0 S4, TS23.140 V6.12.0 S3.1, TS23.140 V6.12.0 S4.2, TS23.140 V6.12.0 S5.1.1, TS23.140 V6.12.0 S7.1.14, TS23.140 V6.12.0 S7.1.14.1, TS23.140 V6.12.0 S7.1.18.2.2, TS23.140 V6.12.0 S8.1.4, TS23.140 V6.12.0 S8.1.4.4, TS23.140 V6.12.0 Table 8, TS31.111 V7.3.0 S7.8
<b>170</b>							
BS, RNC, T	Mitsubishi	JP 3895361		30/09/2023	Communication mode control method, mobile communication system, base station control apparatus, base station, and mobile communication terminal	1	TS25.133 V6.10.0 S9.2.1.3, TS25.309 V6.3.0 S14.1, TS25.309 V6.3.0 S14.2, TS25.309 V6.3.0 S9.1, TS25.309 V6.3.0 S9.3.1, TS25.309 V6.3.0 S9.3.1.1.1
BS, RNC, T	Mitsubishi	CN 100477829		30/09/2023	Communication method	1	TS25.133 V6.10.0 S9.2.1.3, TS25.309 V6.3.0 S14.1, TS25.309 V6.3.0 S14.2, TS25.309 V6.3.0 S9.1, TS25.309 V6.3.0 S9.3.1, TS25.309 V6.3.0 S9.3.1.1.1
BS, RNC, T	Mitsubishi	EP 1670266	DE, FR, GB	30/09/2023	Communication mode control system	1	TS25.133 V6.10.0 S9.2.1.3, TS25.309 V6.3.0 S14.1, TS25.309 V6.3.0 S14.2, TS25.309 V6.3.0 S3.1, TS25.309 V6.3.0 S3.2, TS25.309 V6.3.0 S9.1, TS25.309 V6.3.0 S9.2.1, TS25.309 V6.3.0 S9.3.1, TS25.309 V6.3.0 S9.3.1.1.1
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<b>171</b>							
BS, RNC, T	Mitsubishi	JP 3895364		30/09/2023	Communication mode controlling method, mobile communication system, radio network controller, base station and mobile communication terminal	1	TR21.905 V6.9.10 S3, TR21.905 V6.9.10 S4, TS25.133 V6.10.0 S9.2.1.3, TS25.309 V6.3.0 S14.1, TS25.309 V6.3.0 S14.2, TS25.309 V6.3.0 S9.1, TS25.309 V6.3.0 S9.3.1, TS25.309 V6.3.0 S9.3.1.1.1
BS, RNC, T	Mitsubishi	EP 1679933	DE, FR, GB	30/09/2023	Mobile communication system for controlling communication mode	1	TR21.905 V6.9.0 S3, TR21.905 V6.9.0 S4, TS25.133 V6.10.0 S9.2.1.3, TS25.309 V6.3.0 S14.1, TS25.309 V6.3.0 S14.2, TS25.309 V6.3.0 S3.1, TS25.309 V6.3.0 S3.2, TS25.309 V6.3.0 S9.1, TS25.309 V6.3.0 S9.2.1, TS25.309 V6.3.0 S9.3.1, TS25.309 V6.3.0 S9.3.1.1.1
<b>172</b>							
BS, T	Mitsubishi	EP 1612960		05/03/2019	Spread spectrum communication method	1	TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 S3.1, TS25.212 V5.3.0 S4.4, TS25.214 V5.4.0 S5.1.2.2, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 S5.2.1.2.1, TS25.214 V5.4.0 S5.2.1.2.2, TS25.214 V5.4.0 S5.2.1.3, TS25.214 V5.4.0 Table 2, TS25.321 V5.4.0 S5.1.2.2.1, TS25.321 V5.4.0 S5.1.2.3
<b>173</b>							
BS, RNC, T	Mitsubishi	JP 3923510		30/03/2024	Communication Method *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.306 V6.5.0 S4.1.3, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.2, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
<b>174</b>							
BS, T	Siemens	EP 1525762B1	AT, BE, ES, FI, FR, GB, IT, SE	15/07/2023	Method, subscriber terminal and radio communication system for transmitting user data messages	1, 12, 13	TS11.11 V8.13.0 S10.3.26, TS23.041 V6.2.0 S9.4.1, TS23.041 V6.2.0 S9.4.1.2.2, TS23.041 V6.2.0 S9.4.2.2.2, TS23.246 V6.8.0 S4.1, TS23.246 V6.8.0 S4.2, TS25.324 V6.4.0 S10.1, TS25.324 V6.4.0 S10.2, TS25.324 V6.4.0 S10.3, TS25.324 V6.4.0 S11.2, TS25.324 V6.4.0 S11.9, TS25.324 V6.4.0 S2, TS25.324 V6.4.0 Table 10.3-1, TS25.324 V6.4.0 Table 11.2-1, TS25.324 V6.4.0 Table 11.9-1, TS25.324 V6.4.0 Table 11.9-2, TS25.324 V6.4.0 Table 11.9-3, TS31.102 V6.11.0 Section 4.2.14
BS, T	Siemens	JP 4170985		15/07/2023	Method, subscriber terminal and radio communication system for transmitting user data messages.	1, 12, 13	TS11.11 V8.13.0 S10.3.26, TS23.041 V6.2.0 S9.4.1, TS23.041 V6.2.0 S9.4.1.2.2, TS23.041 V6.2.0 S9.4.2.2.2, TS23.246 V6.8.0 Figure 1, TS23.246 V6.8.0 S4.1, TS23.246 V6.8.0 S4.2, TS25.324 V6.4.0 S10.1, TS25.324 V6.4.0 S10.2, TS25.324 V6.4.0 S10.3, TS25.324 V6.4.0 S11.2, TS25.324 V6.4.0 S11.9, TS25.324 V6.4.0 S2, TS25.324 V6.4.0 Table 10.2-1, TS25.324 V6.4.0 Table 10.3-1, TS25.324 V6.4.0 Table 11.2-1, TS25.324 V6.4.0 Table 11.9-1, TS25.324 V6.4.0 Table 11.9-2, TS25.324 V6.4.0 Table 11.9-3, TS31.102 V6.11.0 S4.1, TS31.102 V6.11.0 Section 4.2.14
<b>175</b>							
BS, T	Siemens	EP 1512242B1	CZ, DE, ES, FR, GB, HU, IT, NL, TR	03/06/2023	Identical puncturing of UE identification data and load data in the HS-SCCH channel	1, 3, 4, 5	TS25.211 V6.7.0 Fig 26A, TS25.211 V6.7.0 S5.3.3.12, TS25.212 V6.7.0 Fig 19, TS25.212 V6.7.0 S2, TS25.212 V6.7.0 S4.2.3.1, TS25.212 V6.7.0 S4.6, TS25.212 V6.7.0 S4.6.1, TS25.212 V6.7.0 S4.6.2.4, TS25.212 V6.7.0 S4.6.3, TS25.212 V6.7.0 S4.6.5, TS25.212 V6.7.0 S4.6.6, TS25.212 V6.7.0 S4.6.7, TS25.212 V6.7.0 S4.6.8, TS25.331 V6.7.0 S10.3.3.14a
<b>176</b>							
BS, T	Mitsubishi	EP 1460774	DE, ES, FR, GB, IT	05/03/2019	Spread spectrum communication apparatus	1	TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 S3.1, TS25.212 V5.3.0 S4.4, TS25.214 V5.4.0 S5.1.2.1, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 S5.2.1.2, TS25.214 V5.4.0 S5.2.1.2.1, TS25.214 V5.4.0 S5.2.1.3
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177 BS, T	Fujitsu	JP 3917519		26/12/2020	Handover Method and System for CDMA Mobile Communication	8	TS25.211 V7.2.0 Fig. 12B, TS25.211 V7.2.0 Fig. 26B, TS25.211 V7.2.0 Fig. 27, TS25.211 V7.2.0 S3.2, TS25.211 V7.2.0 S5.3.2.6, TS25.211 V7.2.0 S5.3.3.13, TS25.211 V7.2.0 S6.1, TS25.214 V7.4.0 S5.2.1.1, TS25.214 V7.4.0 S5.2.1.2.1, TS25.214 V7.4.0 S5.2.1.2.1.1, TS25.214 V7.4.0 S5.2.1.2.2
<hr/>							
178 BS, RNC, T	NEC	JP 3022530		07/12/2018	A multicast communication system for a CDMA radio communication system	1	TS25.346 V6.11.0 Fig. 8.3.1, TS25.346 V6.11.0 Fig. 8.3.3, TS25.346 V6.11.0 S6.2.1.2, TS25.346 V6.11.0 S8.3.1, TS25.346 V6.11.0 S8.3.3, TS25.401 V6.9.0 S3.1, TS25.410 V6.5.0 Fig. 4.1, TS25.410 V6.5.0 S4.1.1
<hr/>							
179 T	Sharp	JP 3919787		21/08/2022	Mobile station, base station, communication system, transmitting method, receiving method, correspondence procedure, iq multiplexer, and iq multiplex method	1, 11	TS25.212 V5.8.0 S3.2, TS25.212 V5.8.0 S3.3, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 S3.2, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.3.1.4, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4

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<b>180</b>							
BS, RNC, T	NTT DoCoMo	US 7020209		13/03/2023	Data Transmission Method, Data Transmission System, Transmitter and Receiver	1, 13, 25, 35	TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Fig. A.1, TS25.212 V3.11.0 Fig. A.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.1.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.3, TS25.302 V3.16.0 Fig. 6, TS25.302 V3.16.0 S5.1, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.2, TS25.302 V3.16.0 S7.1.5, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.7
BS, RNC, T	NTT DoCoMo	JP 3613448		21/06/2019	Data Transmission Method, Data Transmission System, Transmitter and Receiver	1, 19, 20	TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Fig. A.1, TS25.212 V3.11.0 Fig. A.2, TS25.212 V3.11.0 S3.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.1.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.3, TS25.302 V3.16.0 Annex A, TS25.302 V3.16.0 Fig. 6, TS25.302 V3.16.0 S5.1, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.2, TS25.302 V3.16.0 S7.1.5, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.7, TS25.302 V3.16.0 Table A.1
BS, RNC, T	NTT DoCoMo	AU 755043		05/06/2020	Data Transmission Method, Data Transmission System, Transmitter and Receiver	1, 51, 54	TS25.212 V3.11.0 Annex A.1.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 Fig. A.1, TS25.212 V3.11.0 Fig. A.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.1.2, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.3, TS25.302 V3.16.0 Fig. 6, TS25.302 V3.16.0 S5.1, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.2, TS25.302 V3.16.0 S7.1.5, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.7
<b>181</b>							
BS, T	Mitsubishi	JP 3989946		30/03/2024	Mobile Communication Terminal and Radio Communication System *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S3.2, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1, TS25.346 V6.5.0 S8.3.5
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>182</b>							
BS, T	Mitsubishi	EP 1699147	DE, FR, GB	30/03/2024	Mobile communication terminal and radio communication system *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1, 2	TS25.211 V6.4.0 S5.3.3.1, TS25.215 V6.4.0 S5.1.9, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1
BS, T	Mitsubishi	KR 0788418		30/03/2024	Communication method and radio communication system *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	5, 7, 9, 10	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.3, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1
BS, T	Mitsubishi	RU 2328825		30/03/2024	Mobile communications terminal and radio communication system. *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	7, 10, 13, 15	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.331 V6.6.0 Figure 8.7.2-1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.3, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 Annex B: Table 2, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1

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<b>183</b>							
BS, RNC, T	Mitsubishi	EP 1610481	DE, FR, GB	10/03/2019	A method and apparatus for assigning codes *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.331 V3.21.0 S10.2.27, TS25.331 V3.21.0 S10.3.3.1, TS25.331 V3.21.0 S10.3.6.21, TS25.331 V3.21.0 S10.3.6.27, TS25.331 V3.21.0 S8.2.2.2, TS25.331 V3.21.0 S8.2.2.3, TS25.331 V3.21.0 S8.6.3.1, TS25.401 V1.1.1 S3.1, TS25.401 V1.1.1 S6, TS25.401 V1.1.1 S6.1.1, TS25.401 V1.1.1 S7.2.4.5, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S9.4, TS25.433 V3.14.2 Fig. 30, TS25.433 V3.14.2 Figure 32, TS25.433 V3.14.2 S8.3.2.1, TS25.433 V3.14.2 S8.3.2.2, TS25.433 V3.14.2 S8.3.3.1, TS25.433 V3.14.2 S8.3.3.2, TS25.433 V3.14.2 S9.1.42.1, TS25.433 V3.14.2 S9.1.45, TS25.433 V3.14.2 S9.2.2.14, TS25.433 V3.14.2 S9.2.2.14AO
<b>184</b>							
T	Mitsubishi	EP 1699141	DE, FR, GB	05/03/2019	Spread spectrum communication method	1	TS25.101 V3.13.0 Annex A.5, TS25.101 V3.13.0 Table A.22, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V3.11.0 Fig 15, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 11, TS25.212 V3.11.0 Fig. 14, TS25.212 V3.11.0 S1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.10, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.12.1, TS25.212 V3.11.0 S4.4, TS25.212 V3.11.0 S4.4.3, TS25.212 V3.11.0 S4.4.3.2, TS25.212 V3.11.0 S4.4.4, TS25.214 V5.4.0 S5.1.2.1, TS25.214 V5.4.0 S5.1.2.2, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2
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<b>185</b>							
CN, T	FT	EP 0511095	DE, FR, GB, IT, NL	22/04/2012	Coding and decoding method and apparats for a digital signal	1, 4, 7, 12, 14	TS26.403 V6.0.0 Figure 1, TS26.403 V6.0.0 S5, TS26.403 V6.0.0 S5.1, TS26.403 V6.0.0 S5.3, TS26.410 V6.2.0 S1, TS26.410 V6.2.0 S2, TS26.410 V6.2.0 S4, TS26.410 V6.2.0 S4.1, TS26.410 V6.2.0 S4.3.1, TS26.410 V6.2.0 transform.c
CN, T	FT	JP 3147984		24/04/2012	Coding and decoding method and apparatus for a digital signal.	1	TS26.403 V6.0.0 Figure 1, TS26.403 V6.0.0 S5.1, TS26.403 V6.0.0 S5.3, TS26.410 V6.2.0 S1, TS26.410 V6.2.0 S2, TS26.410 V6.2.0 S4.1, TS26.410 V6.2.0 S4.3.1, TS26.410 V6.2.0 Table 4, TS26.410 V6.2.0 Table 7, TS26.410 V6.2.0 transform.c
CN, T	FT	US 5363096		08/11/2011	Coding and decoding method and apparatus for a digital signal.	1	TS26.401 V7.0.0 S2, TS26.401 V7.0.0 S7, TS26.403 V7.0.0 figure 1, TS26.403 V7.0.0 S5.1, TS26.403 V7.0.0 S5.3, TS26.410 V7.0.0 S4.1, TS26.410 V7.0.0 table 4, TS26.410 V7.0.0 transform c
CN, T	FT	CA 2066471		24/04/2012	Coding and decoding method and apparatus for a digital signal	1	TS26.403 V6.0.0 Figure 1, TS26.403 V6.0.0 S5, TS26.403 V6.0.0 S5.1, TS26.403 V6.0.0 S5.3, TS26.410 V6.2.0 S4, TS26.410 V6.2.0 S4.1, TS26.410 V6.2.0 Table 4, TS26.410 V6.2.0 transform.c
<b>186</b>							
T	Mitsubishi	JP 4015162		30/06/2025	Communication system, communication device, communication terminal and communication method	1, 3	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1
T	Mitsubishi	KR 100788419		13/02/2024	Communication system, communication device, communication terminal, and communication method.	1, 3	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1
<b>187</b>							
BS, CN, RNC, T	Mitsubishi	EP 1596368	DE, FI, FR, GB, IT, SE	06/12/2018	Method and apparatus for speech decoding	1	TS26.090 V6.0.0 Fig 2, TS26.090 V6.0.0 Fig 4, TS26.090 V6.0.0 S3.1, TS26.090 V6.0.0 S4.3, TS26.090 V6.0.0 S4.4, TS26.090 V6.0.0 S5.7.1, TS26.090 V6.0.0 S6.1
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<b>188</b>							
T	Mitsubishi	KR 10-0788420		13/02/2024	Communication system, communication device, communication terminal and communications method	1, 2	TS22.146 V6.7.0 S4, TS22.146 V6.7.0 S4.1, TS22.146 V6.7.0 S4.2, TS25.301 V6.4.0 S5.2.1.1, TS25.301 V6.4.0 S5.3.1.1.1, TS25.301 V6.4.0 S5.3.1.1.2, TS25.301 V6.4.0 S5.3.1.1.2.2, TS25.346 V6.9.0 S5.2.8, TS25.346 V6.9.0 S7.1
<b>189</b>							
BS, RNC, T	NEC	JP 4003089		09/05/2025	Transport format combination selecting method, wireless communication system and mobile station	8, 14	TS25.133 V6.20.0 S6.4.2, TS25.133 V6.20.0 S6.5, TS25.211 V6.9.0 S5.2.1, TS25.211 V6.9.0 S5.2.1.3, TS25.213 V6.5.0 Figure 1, TS25.213 V6.5.0 Figure 1A, TS25.213 V6.5.0 S4.2.1, TS25.213 V6.5.0 S4.2.1.1, TS25.213 V6.5.0 S4.2.1.3, TS25.321 V6.14.0 S11.8.1.4, TS25.321 V6.14.0 S3.1.2, TS25.321 V6.14.0 S3.2
<b>190</b>							
BS, T	NTT DoCoMo	EP 0825737	DE, GB, IT, SE	04/03/2017	Signal transmission method, transmitter and receiver in mobile communication system	8	TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S4.2.3, TS25.211 V3.12.0 S5, TS25.211 V3.12.0 S5.3.3.3, TS25.211 V3.12.0 S5.3.3.5, TS25.213 V3.9.0 S4.1, TS25.213 V3.9.0 S4.3.1.1, TS25.213 V3.9.0 S5.1, TS25.213 V3.9.0 S5.2.1, TS25.213 V3.9.0 S5.2.2, TS25.214 V3.12.0 Annex C
<b>191</b>							
BS, RNC, T	NTT DoCoMo	JP 3884774		17/04/2018	Base station apparatus of mobile communication system	1, 3, 5	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.2, TS25.211 V3.12.0 Table 11, TS25.211 V3.12.0 Table 12, TS25.211 V3.12.0 Table 17
BS, T	NTT DoCoMo	EP 1499039	DE, FR, GB, IT, SE	17/04/2018	Transmission apparatus of mobile communication system	1, 3, 5	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.2, TS25.211 V3.12.0 Table 11, TS25.211 V3.12.0 Table 12, TS25.211 V3.12.0 Table 17
BS, T	NTT DoCoMo	CA 2424556		17/04/2018	Base station apparatus of mobile communication system.	1, 3, 5	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 Figure 9, TS25.211 V3.12.0 S3.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.2, TS25.211 V3.12.0 Table 11, TS25.211 V3.12.0 Table 12, TS25.211 V3.12.0 Table 17
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
192 T	Sharp	JP 4024837		21/08/2022	Mobile station, base station, communication system, transmitting method, correspondence procedure, IQ multiplexer and IQ multiplex method	1	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Figure 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2.2
193 T	Sharp	JP 4024838		21/08/2022	Mobile Station, base station, communication system transmitting method, receiving method, correspondence procedure, IQ multiplexer and IQ multiplex method	1	TS25.212 V5.8.0 S3.2, TS25.212 V5.8.0 S3.3, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 Figure 7, TS25.213 V5.5.0 S4, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4
194 T	Sharp	JP 4024840		21/08/2022	Mobile Station, base station, communication system, transmitting method, receiving method, correspondence procedure IQ multiplexer and IQ multiplex method	1	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1 Figure 1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2 Fig. 7, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2
195 T	Sharp	JP 4024845		21/08/2022	Mobile Station, base station, communication system, transmitting method, receiving method, correspondence procedure IQ multiplexer and IQ multiplex method	1	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Figure 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>196</b>							
BS, T	Mitsubishi	KR 0788417		30/03/2024	Communication Method and Radio Communication System *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	19, 22, 24, 26	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.3, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1
BS, T	Mitsubishi	EP 1865629	DE, FR, GB	30/03/2024	Mobile Communications Terminal and Radio Communication System *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1, 2	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.215 V6.4.0 S5.1.10, TS25.215 V6.4.0 S5.1.9, TS25.331 V6.6.0 Figure 8.7.2-1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.3, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1
BS, T	Mitsubishi	RU 2372718		30/03/2024	Mobile communications terminal and radio communication system *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	8, 10	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.215 V6.4.0 S5.1.10, TS25.215 V6.4.0 S5.1.9, TS25.331 V6.6.0 Figure 8.7.2-1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.3, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 Annex B: Table 2, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1
<b>197</b>							
T	Panasonic	EP 1523111	DE, FR, GB	25/06/2021	Communication terminal apparatus	1	TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 Table 7A
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
<b>198</b> T	Sharp	JP 4024836		21/08/2022	MOBILE STATION, BASE STATION, COMMUNICATION SYSTEM, TRANSMITTING METHOD, RECEIVING METHOD, CORRESPONDENCE PROCEDURE, IQ MULTIPLEXER, AND IQ MULTIPLEX METHOD	1	TS25.212 V5.8.0 S3.2, TS25.212 V5.8.0 S3.3, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 Figure 1, TS25.213 V5.5.0 S4, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4
<b>199</b> T	Sharp	JP 4024839		21/08/2022	MOBILE STATION, BASE STATION, COMMUNICATION SYSTEM, TRANSMITTING METHOD, RECEIVING METHOD, CORRESPONDENCE PROCEDURE, IQ MULTIPLEXER, AND IQ MULTIPLEX METHOD	1	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2
<b>200</b> T	Sharp	JP 4024841		21/08/2021	MOBILE STATION, BASE STATION, COMMUNICATION SYSTEM, TRANSMITTING METHOD, RECEIVING METHOD, CORRESPONDENCE PROCEDURE, IQ MULTIPLEXER, AND IQ MULTIPLEX METHOD	1	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.2.2, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2.2
<b>201</b> T	Sharp	JP 4024842		21/08/2021	MOBILE STATION, BASE STATION, COMMUNICATION SYSTEM, TRANSMITTING METHOD, RECEIVING METHOD, CORRESPONDENCE PROCEDURE, IQ MULTIPLEXER, AND IQ MULTIPLEX METHOD	1	TS25.212 V5.8.0 S3.2, TS25.212 V5.8.0 S3.3, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 Fig. 1, TS25.213 V5.5.0 Fig. 7, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.2.1, TS25.213 V5.5.0 S4.4.2, TS25.321 V5.8.0 S11.4
<b>202</b> T	Sharp	JP 4024843		21/08/2021	MOBILE STATION, BASE STATION, COMMUNICATION SYSTEM, TRANSMITTING METHOD, RECEIVING METHOD, CORRESPONDENCE PROCEDURE, IQ MULTIPLEXER, AND IQ MULTIPLEX METHOD	1	TS25.212 V5.8.0 S4.2.7, TS25.212 V5.8.0 S4.2.7.1.1, TS25.213 V5.5.0 S4.1, TS25.213 V5.5.0 S4.2.1 Figure 1, TS25.213 V5.5.0 S4.4.1, TS25.213 V5.5.0 S4.4.2 Fig. 7, TS25.321 V5.8.0 S11.4, TS25.331 V5.8.0 S8.2.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>203</b> T	Panasonic	EP 1337075	DE, ES, FR, GB, IT	17/05/2020	Hybrid ARQ system with data and control channel for packet data transmission	13	TS25.212 V5.10.0 S4.6, TS25.212 V5.10.0 S4.6.2.3, TS25.213 V5.6.0 S5.2.1, TS25.308 V5.7.0 S3.1, TS25.308 V5.7.0 S5.2.1, TS25.308 V5.7.0 S5.2.2.1, TS25.308 V5.7.0 S6.1, TS25.308 V5.7.0 S6.1.4, TS25.308 V5.7.0 S7.1.2.1, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S11.6.2.2
<b>204</b> BS, T	Panasonic	EP 1253759	DE, FR, GB	27/12/2021	Communication terminal apparatus	1, 9, 10	TS25.101 V5.20.0 S5.2, TS25.101 V5.20.0 S9.2.1.2, TS25.101 V5.20.0 Table 5, TS25.101 V5.20.0 Table 9.4, TS25.201 V5.3.0 S4.1.2, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.212 V5.10.0 Table 12, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 S5.1, TS25.321 V5.13.0 S11.6.2.2, TS25.321 V5.13.0 S4.2.3.3, TS25.321 V5.13.0 S4.2.4, TS25.321 V5.13.0 S4.2.4.3
<b>205</b> BS, T	Panasonic	JP 3286308		08/05/2018	A radio communication system	1	TS25.133 V5.18.0 S7.1.1, TS25.201 V5.3.0 S4.2.4, TS25.211 V5.8.0 Figure 1, TS25.211 V5.8.0 Figure 9, TS25.211 V5.8.0 S5.2.1, TS25.211 V5.8.0 S5.3.2, TS25.211 V5.8.0 S7.6.3
<b>206</b> T	Panasonic	JP 3668492		30/07/2023	A reception apparatus	1	TS25.211 V5.8.0 Figure 2A, TS25.211 V5.8.0 S5.2.1, TS25.211 V5.8.0 S5.3.3.13, TS25.212 V5.10.0 S4.7.1.1, TS25.212 V5.10.0 Table 13A, TS25.214 V5.11.0 S6A.1.1, TS25.308 V5.7.0 Figure 5.2.2.1-1, TS25.308 V5.7.0 S5.2.2.1, TS25.321 V5.13.0 S11.6.2, TS25.321 V5.13.0 S11.6.2.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>207</b>							
BS, T	Panasonic	JP 3756490		18/11/2022	A data transmission apparatus	6	TS25.101 V5.20.0 S9.2.1.2, TS25.101 V5.20.0 Table 9.4, TS25.211 V5.8.0 S5.3.3.13, TS25.212 V5.10.0 Figure 16, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.4, TS25.212 V5.10.0 S4.5.4.3, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.212 V5.10.0 Table 12, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 S5.1, TS25.213 V5.6.0 Table 3A, TS25.301 V5.6.0 S5.3.1.2, TS25.321 V5.13.0 S11.6.1.3, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S4.2.3.3, TS25.321 V5.13.0 S4.2.4, TS25.321 V5.13.0 S4.2.4.3
<b>208</b>							
BS, T	Panasonic	JP 3756491		18/11/2022	A data transmission apparatus	5	TS25.211 V5.8.0 S5.3.3.13, TS25.212 V5.10.0 Figure 16, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.213 V5.6.0 Figure 8, TS25.213 V5.6.0 S5.1, TS25.213 V5.6.0 Table 3A, TS25.301 V5.6.0 S5.3.1.2, TS25.321 V5.13.0 S11.6.1.3, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S11.6.2.2, TS25.321 V5.13.0 S4.2.3.3, TS25.321 V5.13.0 S4.2.4.3
<b>209</b>							
T	Mitsubishi	US 7349368		10/12/2017	Data rate change notification for a communication system	3	TR21.905 V3.3.0 S3, TS25.331 V3.16.0 S10.2.50, TS25.331 V3.16.0 S10.3.3.1, TS25.331 V3.16.0 S10.3.5.1, TS25.331 V3.16.0 S3.2
T	Mitsubishi	JP 4358166		10/12/2017	Communication control apparatus, base station and mobile station	5	TR21.905 V3.3.0 S3, TS25.331 V3.16.0 S10.2.50, TS25.331 V3.16.0 S10.3.3.1, TS25.331 V3.16.0 S10.3.5.1, TS25.331 V3.16.0 S3.2
<b>210</b>							
T	Panasonic	EP 1187417	DE, FI, FR, GB, SE	07/09/2020	Method and apparatus for transmitting data packets	1	TS25.323 V4.6.0 S4.2, TS25.323 V4.6.0 S5.1.3
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>211</b>							
T	Panasonic	EP 1330088	AT, BE, CH, DK, ES, GR, IE, IT, LI, LU, PT, SE	26/03/2013	Communication System	4	TS25.101 V8.3.0 S7.1, TS25.211 V8.0.0 Figure 35, TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.211 V8.0.0 S7.8, TS25.212 V8.0.0 Figure 16, TS25.212 V8.0.0 Figure 19, TS25.212 V8.0.0 S4.5, TS25.212 V8.0.0 S4.5.3, TS25.212 V8.0.0 S4.6.1, TS25.212 V8.0.0 S4.6.2.2, TS25.212 V8.0.0 S4.6.2.3, TS25.212 V8.0.0 S4.6.5, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S5.2.2
<b>212</b>							
T	Panasonic	EP 1447956	DE, FI, FR, GB, SE	11/09/2020	Apparatus and method for header decompression	4	TS25.323 V4.6.0 S4.2, TS25.323 V4.6.0 S5.1.3, TS25.323 V5.0.0
<b>213</b>							
T	Panasonic	JP 3588460		27/03/2012	A receiving apparatus and a receiving method	1	TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.212 V8.0.0 S4.6.1, TS25.212 V8.0.0 S4.6.2.2, TS25.212 V8.0.0 S4.6.2.3, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S5.2.2
<b>214</b>							
T	Fujitsu	JP 3862684		15/04/2014	System for monitoring carriers of peripheral zones	1	TR25.990 V0.1.4 S3, TS25.211 V3.4.0 Figure 13, TS25.211 V3.4.0 Figure 14, TS25.211 V3.4.0 S5.3.3.1, TS25.211 V3.4.0 S5.3.3.1.1, TS25.213 V3.4.0 Figure 8, TS25.213 V3.4.0 Figure 9, TS25.213 V3.4.0 S5.1, TS25.304 V7.5.0 Figure 1, TS25.304 V7.5.0 S4.1, TS25.304 V7.5.0 S5.2.3.1.1, TS25.304 V7.5.0 S5.2.3.1.2, TS25.304 V7.5.0 S5.2.5.1, TS25.304 V7.5.0 S5.2.6.1.4
T	Fujitsu	JP 4290712		15/04/2014	System for monitoring carriers of peripheral zones	1	TR25.990 V0.1.4 S3, TS25.211 V3.4.0 Figure 13, TS25.211 V3.4.0 Figure 14, TS25.211 V3.4.0 S5.3.3.1, TS25.211 V3.4.0 S5.3.3.1.1, TS25.213 V3.4.0 Figure 8, TS25.213 V3.4.0 Figure 9, TS25.213 V3.4.0 S5.1, TS25.304 V7.5.0 Figure 1, TS25.304 V7.5.0 S4.1, TS25.304 V7.5.0 S5.2.3.1.1, TS25.304 V7.5.0 S5.2.3.1.2, TS25.304 V7.5.0 S5.2.5.1, TS25.304 V7.5.0 S5.2.6.1.4
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
215							
T	Fujitsu	JP 4037965		18/08/2018	System and method for code division multiple access communication, and base station and terminal apparatus for same system.	3	TR25.990 V0.1.4 S3, TS25.201 V2.1.0 Figure 5-1, TS25.201 V2.1.0 S3.3, TS25.201 V2.1.0 S4.1.1, TS25.211 V3.0.0 Figure 21, TS25.211 V3.0.0 Figure 26, TS25.211 V3.0.0 Figure 3, TS25.211 V3.0.0 Figure 4, TS25.211 V3.0.0 S4.2.4, TS25.211 V3.0.0 S5.2.2, TS25.211 V3.0.0 S5.2.2.1, TS25.211 V3.0.0 S5.2.2.1.1, TS25.211 V3.0.0 S5.2.2.1.2, TS25.211 V3.0.0 S5.3.3.6, TS25.211 V3.0.0 S7.3
216							
T	Panasonic	EP 1204225	DE, FR, GB	25/06/2021	Communication Apparatus	1	TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 Table 7A, TS25.214 V5.11.0 Table 7B, TS25.214 V5.11.0 Table 7C
217							
T	Panasonic	EP 1427128	DE, ES, FI, FR, GB, NL, SE	21/02/2021	Hybrid ARQ method with signal constellation rearrangement	12	TS25.201 V8.1.0 S4.1.2, TS25.211 V5.8.0 S5.3.3.13, TS25.212 V5.10.0 Figure 16, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.212 V5.10.0 Table 12, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 S5.1, TS25.213 V5.6.0 Table 3A, TS25.301 V5.6.0 S5.3.1.2, TS25.321 V5.13.0 S11.6.1.3, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S11.6.2.2, TS25.321 V5.13.0 S4.2.3.3, TS25.321 V5.13.0 S4.2.4.3
218							
BS, T	Panasonic	US 6490263		20/12/2021	Radio Communication Apparatus And Radio Communication Method	16	TS25.211 V5.8.0 Figure 1, TS25.211 V5.8.0 Figure 9, TS25.211 V5.8.0 S5.2.1, TS25.211 V5.8.0 S5.3.2, TS25.211 V5.8.0 S7.6.3, TS25.214 V5.11.0 B.1, TS25.214 V5.11.0 B.2, TS25.214 V5.11.0 Figure B.1, TS25.214 V5.11.0 S5.2.1.2, TS25.214 V5.11.0 S5.2.1.2.1
219							
T	Panasonic	US 7200788		30/07/2023	Radio Reception System	1	TS25.211 V5.8.0 Figure 2A, TS25.211 V5.8.0 S5.2.1, TS25.211 V5.8.0 S5.3.3.12, TS25.212 V5.10.0 S4.7.1.1, TS25.212 V5.10.0 Table 13A, TS25.214 V5.11.0 S6A.1.1, TS25.308 V5.7.0 Figure 5.2.2.1-1, TS25.308 V5.7.0 S5.2.2.1
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<b>220</b> T	Panasonic	EP 0992981	DE, FR, GB, IT	06/11/2017	Excitation Method Generator and Excitation Vector Generating Method	1	TS26.073 V3.3.0 S4.5.2, TS26.073 V3.3.0 Table 6, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S6, TS26.090 V3.1.0 S6.1
<b>221</b> T	Panasonic	EP 0994462	DE, FR, GB, IT	06/11/2017	Excitation vector generation	1	TS26.090 V3.1.0 S1, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S6.1
<b>222</b> T	Panasonic	EP 1094447	DE, FR, GB, IT	06/11/2017	Vector quantization codebook generation method	1	TS26.073 V3.3.0 S4.5.2, TS26.073 V3.3.0 Table 6, TS26.090 V3.1.0 S1, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S5.7.1, TS26.090 V3.1.0 S6.1
<b>223</b> T	Panasonic	EP 1136985	DE, FR, GB, IT	06/11/2017	Apparatus and method for CELP speech coding and decoding	1	TS26.073 V3.3.0 S4.5.2, TS26.073 V3.3.0 Table 6, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S4.3, TS26.090 V3.1.0 S6, TS26.090 V3.1.0 S6.1
<b>224</b> T	Panasonic	EP 0967594	DE, FR, GB, IT	22/10/2018	Sound encoder and sound decoder	27	TS26.073 V3.3.0 ph_disp.c, TS26.073 V3.3.0 S4.5.2, TS26.073 V3.3.0 Table 6, TS26.090 V3.1.0 S1, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S4.3, TS26.090 V3.1.0 S5.7.1, TS26.090 V3.1.0 S6.1, TS26.090 V3.1.0 Table 6
<b>225</b> T	Panasonic	EP 1156617	DE, ES, FR, GB, IT	17/05/2020	Hybrid ARQ method for packet data transmission	1	TS25.211 V6.9.0 figure 2B, TS25.211 V6.9.0 S5.2.1.3, TS25.309 V6.6.0 S4, TS25.309 V6.6.0 S8.1, TS25.309 V6.6.0 S8.2, TS25.321 V6.15.0 figure 9.1.5.1, TS25.321 V6.15.0 figure 9.1.5.2a, TS25.321 V6.15.0 figure 9.1.5.2b, TS25.321 V6.15.0 S11.8.1.1.2, TS25.321 V6.15.0 S3.2, TS25.321 V6.15.0 S4.2.3.4, TS25.321 V6.15.0 S9.1.5, TS25.321 V6.15.0 S9.2.5.1
T	Panasonic	JP 3455195		15/05/2021	Hybrid ARQ method for packet data transmission	1, 2	TS25.211 V6.9.0 figure 2B, TS25.211 V6.9.0 S5.2.1.3, TS25.213 V6.5.0 S4.3.1.2.3, TS25.213 V6.5.0 Table 1E, TS25.309 V6.6.0 S4, TS25.309 V6.6.0 S8.1, TS25.321 V6.15.0 figure 9.1.5.1, TS25.321 V6.15.0 figure 9.1.5.2a, TS25.321 V6.15.0 figure 9.1.5.2b, TS25.321 V6.15.0 S11.8.1.1.2, TS25.321 V6.15.0 S4.2.3.4, TS25.321 V6.15.0 S9.1.5, TS25.321 V6.15.0 S9.2.5.1

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<b>226</b> BS, T	Panasonic	JP 3286247	JP	08/05/2018	A radio communication system	1	TS25.201 V5.3.0 S4.2.1, TS25.201 V5.3.0 S4.2.4, TS25.211 V5.8.0 Figure 1, TS25.211 V5.8.0 Figure 9, TS25.211 V5.8.0 S5.2.1, TS25.211 V5.8.0 S5.3.2, TS25.211 V5.8.0 S7.6.3, TS25.211 V5.8.0 Table 11, TS25.214 V5.11.0 B.1, TS25.214 V5.11.0 Figure B.1, TS25.214 V5.11.0 S5.2.1.2.1, TS25.214 V5.11.0 S5.2.1.2.2
<b>227</b> T	Panasonic	JP 3426194		31/07/2020	Communication terminal apparatus	1	TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 Table 7A, TS25.214 V5.11.0 Table 7B, TS25.214 V5.11.0 Table 7C
<b>228</b> T	Panasonic	JP 3594185		17/08/2024	Data transmission device and data transmission method	6	TS26.234 V6.13.0 S2, TS26.234 V6.13.0 S6.2.3.3.1
<b>229</b> T	Panasonic	JP 3594195		17/08/2024	Data transmission device and data transmission method	2	TS26.234 V6.13.0 S2, TS26.234 V6.13.0 S6.2.3.3.1
<b>230</b> T	Panasonic	JP 3821823		22/10/2024	Radio base station apparatus and transmission rate notifying method	3, 11	TS25.212 V6.10.0 S4.9, TS25.212 V6.10.0 S4.9.2.1, TS25.302 V6.8.0 S7.1.15, TS25.302 V6.8.0 S7.1.3, TS25.321 V6.15.0 Annex B, TS25.321 V6.15.0 Annex B.1, TS25.321 V6.15.0 Annex B.3, TS25.321 V6.15.0 Figure 4.2.3.4.1, TS25.321 V6.15.0 S4.2.3.4, TS25.321 V6.15.0 S9.2.5.4
<b>231</b> T	Panasonic	JP 3913259		15/05/2021	Hybrid ARQ method for packet data transmission	20, 26	TS25.211 V5.8.0 S5.3.3.12, TS25.211 V5.8.0 S5.3.3.13, TS25.212 V5.10.0 S4.6, TS25.212 V5.10.0 S4.6.2.5, TS25.213 V5.6.0 S5.2.1, TS25.214 V5.11.0 S5.2.10, TS25.214 V5.11.0 S5.2.11, TS25.308 V5.7.0 S5.2.2.1, TS25.308 V5.7.0 S6.1, TS25.308 V5.7.0 S6.1.4, TS25.321 V5.13.0 Figure 9.1.4.1, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S11.6.2.2, TS25.321 V5.13.0 S9.1.4

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<b>232</b> CN, T	Mitsubishi	JP 4087823	JP	28/10/2014	Wideband speech reconstruction method and wideband speech	1, 2	TS26.190 V6.1.1 S3.2, TS26.190 V6.1.1 S4.3, TS26.190 V6.1.1 S4.4, TS26.190 V6.1.1 S6.1, TS26.190 V6.1.1 S6.2, TS26.190 V6.1.1 S6.3.2.2, TS26.190 V6.1.1 S6.3.3 Fig. 3
<b>233</b> T	Mitsubishi	JP 4098271	JP	28/03/2021	A noise reduction method and a noise reduction device	1	TS26.243 V6.1.0 File main.c, TS26.243 V6.1.0 S2
<b>234</b> BS, T	Panasonic	JP 3008651	JP	27/03/2012	A transmission apparatus, a transmission method, a receiving apparatus and a receiving method	4, 5	TS25.104 V6.9.0 S4.2, TS25.211 V8.0.0 Figure 35, TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.211 V8.0.0 S7.8, TS25.212 V8.0.0 S4.6.1, TS25.212 V8.0.0 S4.6.2.2, TS25.212 V8.0.0 S4.6.2.3, TS25.212 V8.0.0 S4.6A.2.1, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 Figure 9, TS25.213 V5.6.0 S5.1, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S5.2.2
<b>235</b> BS, T	Panasonic	JP 2863975	JP	16/07/2013	A CDMA transmission apparatus, a CDMA reception apparatus, a CDMA transmission method and a CDMA mobile communication system	1, 3, 4	TS25.101 V3.19.0 S5.2, TS25.201 V3.4.0 Figure 1, TS25.201 V3.4.0 S4.1.1, TS25.201 V3.4.0 S4.1.2, TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S4.2.3, TS25.211 V3.12.0 S5.3.3.1.2, TS25.213 V3.9.0 Figure 10, TS25.213 V3.9.0 Figure 8, TS25.213 V3.9.0 Figure 9, TS25.213 V3.9.0 S5.1, TS25.213 V3.9.0 S5.2.1, TS25.213 V3.9.0 S5.2.2
<b>236</b> T	Fujitsu	JP 3966422	JP	18/05/2012	A receiving circuit and method used in mobile communication system accommodated with a spectrum spreading communication method	1	TR25.990 V0.1.4 S3, TR25.990 V0.1.4 S4, TS25.211 V5.8.0 Figure 26A, TS25.211 V5.8.0 Figure 26B, TS25.211 V5.8.0 Figure 35, TS25.211 V5.8.0 S5.3.3.12, TS25.211 V5.8.0 S5.3.3.13, TS25.211 V5.8.0 S7.8, TS25.211 V5.8.0 Table 26, TS25.331 V5.18.0 S10.3.6.36a

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<b>237</b>							
T	Fujitsu	JP 4057628	JP	24/06/2016	Mobile communication system enabling efficient use of small- zone base stations	1	TR21.905 V3.3.0 S3, TR25.990 V0.1.4 S3, TS25.304 V3.14.0 S3.2, TS25.304 V3.14.0 S5.2.1, TS25.304 V3.14.0 S5.2.6.1.3, TS25.304 V3.14.0 S5.2.6.1.4, TS25.304 V3.14.0 S5.2.6.1.5, TS25.331 V3.14.0 Figure 8.1.1-1, TS25.331 V3.14.0 S10.2.48.8.6, TS25.331 V3.14.0 S10.3.2.3, TS25.331 V3.14.0 S10.3.2.4, TS25.331 V3.14.0 S10.3.7.11, TS25.331 V3.14.0 S10.3.7.12, TS25.331 V3.14.0 S3.2, TS25.331 V3.14.0 S8.1.1, TS25.331 V3.14.0 S8.1.1.1.1, TS25.331 V3.14.0 S8.1.1.1.2, TS25.331 V3.14.0 Table 8.1.1
T	Fujitsu	JP 4057627		24/06/2016	Mobile communication system enabling efficient use of small-zone base stations	1	TS25.304 V3.14.0 S1, TS25.304 V3.14.0 S3.2, TS25.304 V3.14.0 S5.2.6.1.2, TS25.304 V3.14.0 S5.2.6.1.4, TS25.304 V3.14.0 S5.2.6.1.5, TS25.331 V3.14.0 Figure 8.1.1-1, TS25.331 V3.14.0 S10.2.48.8.14, TS25.331 V3.14.0 S10.3.7.13, TS25.331 V3.14.0 S10.3.7.20, TS25.331 V3.14.0 S10.3.7.47, TS25.331 V3.14.0 S3.2, TS25.331 V3.14.0 S8.1.1, TS25.331 V3.14.0 S8.1.1.2
<b>238</b>							
T	Panasonic	JP 3643832		26/03/2013	A base station, a mobile terminal and a transmission and a receiving method.	5	TS25.201 V8.0.0 S4.2.3, TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.2.1, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.212 V8.0.0 S4.6.1, TS25.212 V8.0.0 S4.6.2.2, TS25.212 V8.0.0 S4.6.2.3, TS25.213 V8.0.0 Figure 1A, TS25.213 V8.0.0 S4.2.1, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S5.2.2

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<b>239</b>							
T	Siemens	US 7360141		07/01/2024	Method and device for transmitting data according to a hybrid ARQ method	1, 17	TS25.212 V6.3.0 Figure 21, TS25.212 V6.3.0 Figure 22, TS25.212 V6.3.0 S4.5.4, TS25.212 V6.3.0 S4.5.4.3, TS25.212 V6.3.0 S4.8, TS25.212 V6.3.0 S4.8.4, TS25.212 V6.3.0 S4.8.4.3, TS25.212 V6.3.0 S4.9.2.2, TS25.212 V6.3.0 Table 10, TS25.212 V6.3.0 Table 15, TS25.212 V6.3.0 Table 16, TS25.309 V6.4.0 S4, TS25.309 V6.4.0 S7.2.5, TS25.309 V6.4.0 S8, TS25.309 V6.4.0 S8.1
T	Siemens	EP 1362448	DE, FR, GB	19/02/2021	Method and device for transmitting data according to a hybrid ARQ method.	1, 13	TS25.212 V6.3.0 Figure 22, TS25.212 V6.3.0 S4.5.4.3, TS25.212 V6.3.0 S4.8.4, TS25.212 V6.3.0 S4.8.4.3, TS25.212 V6.3.0 S4.9.2.2, TS25.212 V6.3.0 Table 10, TS25.212 V6.3.0 Table 15, TS25.212 V6.3.0 Table 16, TS25.309 V6.4.0 S4, TS25.309 V6.4.0 S7.2.5, TS25.309 V6.4.0 S8, TS25.309 V6.4.0 S8.1
<b>240</b>							
CN, T	KPN	US 5930250		04/09/2016	Communication system for interactive services with a packet switching interaction channel over a narrow-band circuit switching network, as well as a device for application in such a communication system.	1	TS23.140 V4.10.0 B.1.2, TS23.140 V4.10.0 B.1.3, TS23.140 V4.10.0 Fig 5, TS23.140 V4.10.0 Fig 6, TS23.140 V4.10.0 Fig B.2, TS23.140 V4.10.0 Figure B.3, TS23.140 V4.10.0 S3.1, TS23.140 V4.10.0 S6.1.2, TS23.140 V4.10.0 S6.1.2.1, TS23.140 V4.10.0 S6.1.3, TS23.140 V4.10.0 S7.2, TS23.140 V4.10.0 S7.7, TS23.140 V4.10.0 S8, TS23.140 V4.10.0 S8.1.2.1, TS23.140 V4.10.0 S8.1.3.1, TS23.140 V4.10.0 S8.1.3.4, TS23.140 V4.10.0 Table 8
<b>241</b>							
BS, T	Panasonic	JP 3114727		27/03/2012	A transmitter, a receiver, a transmission method, and a receiving method.	6, 9	TS25.104 V6.9.0 S4.2, TS25.211 V8.0.0 Figure 35, TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.211 V8.0.0 S7.8, TS25.212 V8.0.0 S4.5.3, TS25.212 V8.0.0 S4.6.1, TS25.212 V8.0.0 S4.6.2.2, TS25.212 V8.0.0 S4.6.2.3, TS25.212 V8.0.0 S4.6.5, TS25.212 V8.0.0 S4.6A.2.1, TS25.213 V5.5.0 Figure 8, TS25.213 V5.5.0 Figure 9, TS25.213 V5.5.0 S5.1, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S5.2.2
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<b>242</b>							
BS, T	NTT DoCoMo	EP 1494372	DE, FR, GB, IT, SE	17/04/2018	Base station apparatus of mobile communication system.	1, 3	TS25.201 V3.4.0 Figure 1, TS25.201 V3.4.0 S4.1.1, TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.1.2, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.6, TS25.301 V3.11.0 Fig. 4, TS25.301 V3.11.0 Fig. 5, TS25.301 V3.11.0 S5.3.1.1.2, TS25.301 V3.11.0 S5.3.1.1.2.2, TS25.302 V3.16.0 Figure 6, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.5, TS34.108 V3.15.0 S6.10.2.4.1.1.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.1.2.1.1, TS34.108 V3.15.0 S6.10.2.4.1.2.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.2.2.1.1, TS34.108 V3.15.0 S6.10.2.4.1.3.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.3.2.1.1
BS, T	NTT DoCoMo	US 7443907		17/04/2018	Base Station Apparatus of Mobile Communication System	1, 2	TS25.201 V3.4.0 Figure 1, TS25.201 V3.4.0 S4.1.1, TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S4.2.3, TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.1, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 Table 1, TS25.211 V3.12.0 Table 11, TS25.211 V3.12.0 Table 2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.1.2, TS25.212 V3.11.0 S4.2.12, TS25.212 V3.11.0 S4.2.6, TS25.213 V3.9.0 Figure 1, TS25.213 V3.9.0 Figure 8, TS25.213 V3.9.0 S4.2.1, TS25.213 V3.9.0 S5.1, TS25.301 V3.11.0 Fig. 4, TS25.301 V3.11.0 Fig. 5, TS25.301 V3.11.0 S5.3.1.1.2.2, TS25.302 V3.16.0 Figure 6, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.5, TS34.108 V3.15.0 S6.10.2.4.1.1.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.1.2.1.1, TS34.108 V3.15.0 S6.10.2.4.1.2.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.2.2.1.1, TS34.108 V3.15.0 S6.10.2.4.1.3.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.3.2.1.1
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
BS, T	NTT DoCoMo	CN 200310101333		17/04/2018	Base station apparatus of mobile communication system.	1	TS25.201 V3.4.0 Figure 1, TS25.201 V3.4.0 S4.1.1, TS25.211 V3.12.0 Fig. 1, TS25.211 V3.12.0 Figure 9, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 1, TS25.212 V3.11.0 Figure 2, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.12, TS25.301 V3.11.0 Fig. 4, TS25.301 V3.11.0 Fig. 5, TS25.301 V3.11.0 S5.3.1.1.2, TS25.302 V3.16.0 Figure 6, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.5, TS34.108 V3.15.0 S6.10.2.4.1.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.2.1.1, TS34.108 V3.15.0 S6.10.2.4.1.2.2.1.1, TS34.108 V3.15.0 S6.10.2.4.1.3.1.1.1, TS34.108 V3.15.0 S6.10.2.4.1.3.2.1.1
<b>243</b>							
T	Siemens	EP 1388222	DE, FR, GB	14/05/2021	Closed-loop antenna diversity in a cellular radio communication system.	1, 3	TS25.211 V4.2.0 Figure 1, TS25.211 V4.2.0 Figure 2, TS25.211 V4.2.0 S1, TS25.211 V4.2.0 S2, TS25.211 V4.2.0 S5.2.1, TS25.211 V4.2.0 S5.3.1, TS25.211 V4.2.0 S5.3.1.1, TS25.211 V4.2.0 S5.3.1.2, TS25.211 V4.2.0 S5.3.3.1, TS25.214 V4.2.0 Figure 3, TS25.214 V4.2.0 S1, TS25.214 V4.2.0 S2, TS25.214 V4.2.0 S7, TS25.214 V4.2.0 S7.1, TS25.214 V4.2.0 S7.2, TS25.214 V4.2.0 S7.2.2, TS25.214 V4.2.0 S7.2.4
<b>244</b>							
BS, T	Siemens	US 7289769		18/03/2023	Closed-loop antenna diversity in a cellular radio communication system.	1, 16	TS25.211 V4.2.0 Figure 1, TS25.211 V4.2.0 Figure 2, TS25.211 V4.2.0 S1, TS25.211 V4.2.0 S2, TS25.211 V4.2.0 S5.2.1, TS25.211 V4.2.0 S5.3.1.2, TS25.211 V4.2.0 S5.3.3.1, TS25.214 V4.2.0 Figure 3, TS25.214 V4.2.0 S1, TS25.214 V4.2.0 S2, TS25.214 V4.2.0 S7, TS25.214 V4.2.0 S7.1, TS25.214 V4.2.0 S7.2, TS25.214 V4.2.0 S7.2.2, TS25.214 V4.2.0 S7.2.3.2, TS25.214 V4.2.0 S7.2.4
<b>245</b>							
CN, T	Mitsubishi	US 7363220		25/03/2019	Method for speech coding, method for speech decoding and their apparatuses	1	TS26.090 V6.0.0 Fig 2, TS26.090 V6.0.0 Fig 4, TS26.090 V6.0.0 S4.3, TS26.090 V6.0.0 S4.4, TS26.090 V6.0.0 S5.7.1, TS26.090 V6.0.0 S6.1, TS26.090 V6.0.0 Table 5, TS26.090 V6.0.0 Table 6, TS26.090 V6.0.0 Table 7, TS26.090 V6.0.0 Table 8
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<b>246</b>							
CN, T	Mitsubishi	US 7383177		07/12/2018	Method for speech coding, method for speech decoding and their apparatuses.	1	TS26.090 V6.0.0 Fig 4, TS26.090 V6.0.0 S3.1, TS26.090 V6.0.0 S4.3, TS26.090 V6.0.0 S4.4, TS26.090 V6.0.0 S6.1
<b>247</b>							
BS, T	Siemens	EP 1119935	DE, ES, FR, GB, IT	01/10/2019	Method for adapting data rates.	1, 7	TS25.212 V4.0.0 Figure 1, TS25.212 V4.0.0 Figure 2, TS25.212 V4.0.0 S4.2, TS25.212 V4.0.0 S4.2.7, TS25.212 V4.0.0 S4.2.8, TS25.302 V4.0.0 S5.1, TS25.302 V4.0.0 S7.1, TS25.302 V4.0.0 S7.1.12, TS25.302 V4.0.0 S7.1.7
BS, T	Siemens	JP 3505150		01/10/2019	Method for adapting data rates	1	TS25.212 V4.0.0 Figure 1, TS25.212 V4.0.0 Figure 2, TS25.212 V4.0.0 S4.2, TS25.212 V4.0.0 S4.2.7, TS25.212 V4.0.0 S4.2.8, TS25.302 V4.0.0 S5.1, TS25.302 V4.0.0 S7.1, TS25.302 V4.0.0 S7.1.12, TS25.302 V4.0.0 S7.1.7, TS25.302 V4.0.0 S8
<b>248</b>							
T	Panasonic	EP 1081910	DE, FI, FR, GB, SE	06/08/2019	Data transmission and reception apparatus	1	TS25.323 V4.6.0 A.2.8, TS25.323 V4.6.0 S2, TS25.323 V4.6.0 S2.1, TS25.323 V4.6.0 S3.4, TS25.323 V4.6.0 S4.3.1, TS25.323 V4.6.0 S4.3.1.1, TS25.323 V4.6.0 S4.3.1.2, TS25.323 V4.6.0 S4.3.1.3, TS25.323 V4.6.0 S5.3.1.1.2, TS25.323 V4.6.0 S5.3.2.2, TS25.323 V4.6.0 S5.3.2.2.2
<b>249</b>							
T	Panasonic	EP 1411699	DE, FI, FR, GB, SE	06/08/2019	Data transmission method, data transmission apparatus, and data reception apparatus.	1	TS25.323 V4.6.0 S2, TS25.323 V4.6.0 S4.1, TS25.323 V4.6.0 S4.3.1, TS25.323 V4.6.0 S4.3.1.1, TS25.323 V4.6.0 S4.3.1.2, TS25.323 V4.6.0 S4.3.1.3, TS25.323 V4.6.0 S5.2.1, TS25.323 V4.6.0 S5.4.1, TS25.323 V4.6.0 S5.4.1.1.1
<b>250</b>							
T	Panasonic	EP 1411700	DE, FI, FR, GB, SE	06/08/2019	Data transmission method, data transmission apparatus, and data reception apparatus.	1	TS25.323 V4.6.0 S2, TS25.323 V4.6.0 S4.1, TS25.323 V4.6.0 S4.3.1, TS25.323 V4.6.0 S4.3.1.1, TS25.323 V4.6.0 S4.3.1.2, TS25.323 V4.6.0 S4.3.1.3, TS25.323 V4.6.0 S5.2.7, TS25.323 V4.6.0 S5.5.1.2, TS25.323 V4.6.0 S5.7.1
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251							
T	Sharp	EP 1513269	DE, ES, FR, GB, IT	31/08/2012	A method for improving performances of a mobile radiocommunication system using a power control algorithm.	1, 2, 4	TS25.212 V6.6.0 S4.4.3.2, TS25.214 V6.7.0 S5.2.1.3, TS25.331 V6.6.0 S10.3.6.33, TS25.331 V6.6.0 S14.9.1, TS25.331 V6.6.0 S14.9.2, TS25.331 V6.6.0 S8.1.1.1, TS25.401 V6.7.0 S7.2.4.8, TS25.401 V6.7.0 S7.2.4.8.2, TS25.401 V6.7.0 S7.2.4.8.4
					* Expiry date of right to license: 31 August 2012		
252							
T	Panasonic	EP 1217861	DE, FR, GB	02/08/2021	Communication terminal, Base station device, and Radio communication method.	1	TS25.211 V5.8.0 Figure 2A, TS25.211 V5.8.0 S5.2.1, TS25.212 V5.10.0 Figure 20, TS25.212 V5.10.0 S4.7, TS25.212 V5.10.0 S4.7.1.2, TS25.212 V5.10.0 Table 14, TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 Table 7A, TS25.301 V5.6.0 S5.2, TS25.301 V5.6.0 S5.2.1.1, TS25.308 V5.7.0 S6.1, TS25.308 V5.7.0 S6.1.1, TS25.321 V5.13.0 Figure 4.2.3.1, TS25.321 V5.13.0 S4.2.3
253							
BS, T	Panasonic	JP 3746278		15/05/2021	Hybrid ARQ method for packet data transmission.	4, 7, 9, 11	TS25.101 V5.20.0 S5.2, TS25.101 V5.20.0 Table 5, TS25.212 V5.10.0 S4.6, TS25.212 V5.10.0 S4.6.2.3, TS25.213 V5.6.0 S5.2.1, TS25.301 V5.6.0 S5.3.1.2, TS25.308 V5.7.0 S5.2.2.1, TS25.308 V5.7.0 S7.1.2.1, TS25.321 V5.13.0 Figure 9.1.4.1, TS25.321 V5.13.0 S11.6.1, TS25.321 V5.13.0 S11.6.1.2, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S11.6.2.2, TS25.321 V5.13.0 S4.2.3.3, TS25.321 V5.13.0 S4.2.4, TS25.321 V5.13.0 S4.2.4.3, TS25.321 V5.13.0 S9.1.4
254							
T	Panasonic	JP 3836810		21/02/2021	Data transmission apparatus.	6, 20	TS25.211 V5.8.0 S5.3.3.13, TS25.212 V5.10.0 Figure 16, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 S5.1, TS25.301 V5.6.0 S5.3.1.2, TS25.321 V5.13.0 Figure 4.2.3.1, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S4.2.3
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<b>255</b> BS, T	Panasonic	JP 3843264		27/12/2020	Data transmission apparatus	8, 10	TS25.101 V5.20.0 S5.2, TS25.101 V5.20.0 S9.2.1.2, TS25.101 V5.20.0 Table 5, TS25.101 V5.20.0 Table 9.4, TS25.201 V5.3.0 S4.1.2, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.212 V5.10.0 Table 12, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 S5.1, TS25.213 V5.6.0 Table 3A, TS25.308 V5.7.0 S4, TS25.308 V5.7.0 S7, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S4.2.4, TS25.321 V5.13.0 S4.2.4.3
<b>256</b> BS, T	Panasonic	EP 1028541	DE, FI, FR, GB, SE	14/03/2017	CDMA cellular radio transmission system.	5	TS25.101 V3.19.0 S5.2, TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 Fig. 13, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 Figure 27, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.1, TS25.211 V3.12.0 S6.1, TS25.213 V3.9.0 Figure 11, TS25.213 V3.9.0 Figure 8, TS25.213 V3.9.0 Figure 9, TS25.213 V3.9.0 S5.1, TS25.213 V3.9.0 S5.3.2, TS25.301 V3.11.0 S5.2.2
<b>257</b> T	Panasonic	EP 1608194	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR	15/06/2024	Priority handling for data transmissions.	1	TS25.211 V6.9.0 figure 2B, TS25.211 V6.9.0 S4.1.1, TS25.211 V6.9.0 S4.1.1.2, TS25.211 V6.9.0 S5.2.1.3, TS25.309 V6.6.0 S6.1, TS25.309 V6.6.0 S7.1.1, TS25.321 V6.15.0 S11.8.1.4, TS25.331 V6.18.1 Figure 8.2.2-1, TS25.331 V6.18.1 S10.2.33, TS25.331 V6.18.1 S10.2.34, TS25.331 V6.18.1 S10.3.4.21, TS25.331 V6.18.1 S8.2.1, TS25.331 V6.18.1 S8.2.2, TS25.331 V6.18.1 S8.2.2.1, TS25.331 V6.18.1 S8.2.2.2, TS25.331 V6.18.1 S8.5.21
<b>258</b> T	Panasonic	JP 3150312		15/03/2016	A CDMA cellular radio base station apparatus, a mobile terminal, a transmission method and a reception method.	5, 9	TS25.101 V3.19.0 S5.2, TS25.133 V3.22.0 S8.1.2.1, TS25.133 V3.22.0 S8.1.2.2.2, TS25.133 V3.22.0 S8.1.2.3.2, TS25.201 V3.4.0 S4.2.1, TS25.211 V3.12.0 Fig. 13, TS25.211 V3.12.0 S5.2.1, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.1, TS25.215 V3.13.0 S5.1, TS25.215 V3.13.0 S5.1.1, TS25.215 V3.13.0 S6.1.1.1

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<b>259</b> T	Panasonic	JP 4012240		31/03/2026	A method for setting a happy bit in a mobile communication system.	1, 8	TS25.211 V6.9.0 S5.2.1, TS25.211 V6.9.0 S5.2.1.3, TS25.309 V6.6.0 S9.1, TS25.309 V6.6.0 S9.3.1, TS25.309 V6.6.0 S9.3.1.2, TS25.321 V6.16.0 S11.8.1.5, TS25.321 V6.16.0 S9.2.5.3, TS25.321 V6.16.0 S9.2.5.3.1
<b>260</b> BS, CN, T	Siemens	JP 3943546		19/10/2021	Multicast method for providing broadcasting services with transmission of multicast and/or broadcasting data via communication node using service specific context stored at latter.	1, 2, 3	TS23.246 V7.1.1 Figure 1, TS23.246 V7.1.1 Figure 2, TS23.246 V7.1.1 Figure 4, TS23.246 V7.1.1 Figure 5a, TS23.246 V7.1.1 Figure 7, TS23.246 V7.1.1 Figure 9, TS23.246 V7.1.1 S4.1, TS23.246 V7.1.1 S4.2, TS23.246 V7.1.1 S4.4.1, TS23.246 V7.1.1 S4.4.1.3, TS23.246 V7.1.1 S4.4.1.6, TS23.246 V7.1.1 S4.4.3, TS23.246 V7.1.1 S4.4.3.1a, TS23.246 V7.1.1 S4.4.3.4, TS23.246 V7.1.1 S5.1, TS23.246 V7.1.1 S5.1.2, TS23.246 V7.1.1 S5.3, TS23.246 V7.1.1 S5.4, TS23.246 V7.1.1 S6.1, TS23.246 V7.1.1 S8.2, TS23.246 V7.1.1 S8.4, TS23.246 V7.1.1 Table 1
<b>261</b> T	Panasonic	EP 1085504	DE, FR, GB, IT	06/11/2017	CELP Codec	1	TS26.090 V3.1.0 Figure 2, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S3.2, TS26.090 V3.1.0 S4.3, TS26.090 V3.1.0 S5.7.1, TS26.090 V3.1.0 S6, TS26.090 V3.1.0 S6.1, TS26.090 V3.1.0 Table 3
<b>262</b> T	Panasonic	EP 1684268	DE, FR, GB, IT	22/10/2018	Method and apparatus for the generation of vectors for speech decoding.	1	TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S3.2, TS26.090 V3.1.0 S5.7.1, TS26.090 V3.1.0 S6.1, TS26.090 V3.1.0 Table 6
<b>263</b> T	Panasonic	EP 1746583	DE, FR, GB, IT	22/10/2018	Sound encoder and sound decoder.	1	TS26.073 V3.3.0 ph_disp.c, TS26.073 V3.3.0 S4.1, TS26.073 V3.3.0 S4.5.2, TS26.073 V3.3.0 Table 6, TS26.090 V3.1.0 Figure 2, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S4.3, TS26.090 V3.1.0 S5.7.1, TS26.090 V3.1.0 S6, TS26.090 V3.1.0 S6.1, TS26.090 V3.1.0 S6.1.5, TS26.090 V3.1.0 S6.1.6, TS26.090 V3.1.0 Table 6

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<b>264</b> T	Panasonic	JP 3236850		19/02/2017	An excitation vector generator and an excitation vector generating method.	1	TS26.073 V3.3.0 ph_disp.c, TS26.073 V3.3.0 S4.1, TS26.073 V3.3.0 S4.5.2, TS26.073 V3.3.0 Table 6, TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S5.7.1, TS26.090 V3.1.0 S6.1, TS26.090 V3.1.0 Table 6
<b>265</b> BS, T	Panasonic	JP 3061053		27/03/2012	A transmitter, a receiver, a transmission method, and a receiving method.	6, 7	TS25.104 V6.9.0 S4.2, TS25.104 V6.9.0 S5.2, TS25.104 V6.9.0 Table 5, TS25.211 V8.0.0 Figure 27, TS25.211 V8.0.0 Figure 35, TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.211 V8.0.0 S6.1, TS25.211 V8.0.0 S7.8, TS25.212 V8.0.0 S4.6.2.2, TS25.212 V8.0.0 S4.6.2.3, TS25.212 V8.0.0 S4.6A.2.1, TS25.212 V8.1.0 S4.6.1, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 Figure 9, TS25.213 V5.6.0 S5.1, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 S5.1.1.2, TS25.213 V8.0.0 Table 3A, TS25.213 V8.0.0 Table 3B, TS25.301 V8.0.0 S5.2.2
<b>266</b> T	Mitsubishi	JP 4173525		28/03/2021	A noise reduction method and a noise reduction device.	3	TS26.243 V6.1.0 Fig. 4.1, TS26.243 V6.1.0 Fig. 5.1, TS26.243 V6.1.0 Fig. 5.2, TS26.243 V6.1.0 S2, TS26.243 V6.1.0 S3.2, TS26.243 V6.1.0 S4, TS26.243 V6.1.0 S5.1.1, TS26.243 V6.1.0 S5.1.10, TS26.243 V6.1.0 S5.1.3, TS26.243 V6.1.0 S5.1.4, TS26.243 V6.1.0 S5.1.5, TS26.243 V6.1.0 S5.1.7, TS26.243 V6.1.0 S5.1.9
<b>267</b> T	Mitsubishi	EP 1830476	DE, FR, GB	05/03/2019	Spread spectrum communication device.	1	TS25.201 V8.1.0 S4.1.1, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 S1, TS25.212 V5.3.0 S3.1, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>268</b> T	Panasonic	JP 3869839		27/03/2012	A transmitter, a receiver, a transmission method, and a receiving method.	5	TS25.211 V8.0.0 Figure 27, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.211 V8.0.0 S6.1, TS25.212 V8.1.0 Figure 16, TS25.212 V8.1.0 S4.5, TS25.212 V8.1.0 S4.5.1a, TS25.212 V8.1.0 S4.6.1, TS25.212 V8.1.0 S4.6.2.2, TS25.212 V8.1.0 S4.6.2.3, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S1, TS25.301 V8.0.0 S5.2.2
<b>269</b> T	Panasonic	US 7352822		25/03/2013	Telephone for transmitting an uplink signal to a base station and for receiving first and second downlink signals from the base station, and a base station for receiving an uplink signal from a telephone and transmitting first and second downlink signals	1	TS25.201 V8.0.0 S4.2.3, TS25.211 V8.0.0 Figure 26B, TS25.211 V8.0.0 Figure 27, TS25.211 V8.0.0 S4.1.2, TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.2.1, TS25.211 V8.0.0 S5.2.1.1, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.211 V8.0.0 S6.1, TS25.211 V8.0.0 Table 26, TS25.212 V8.1.0 S4.6.1, TS25.212 V8.1.0 S4.6.2.2, TS25.212 V8.1.0 S4.6.2.3, TS25.213 V8.0.0 Figure 1, TS25.213 V8.0.0 Figure 1A, TS25.213 V8.0.0 S3.2, TS25.213 V8.0.0 S4.2.1, TS25.213 V8.0.0 S4.2.1.1, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S5.2.2
<b>270</b> T	Panasonic	JP 3174779		22/08/2016	An apparatus and a method for generating a dispersed excitation vector	1, 2	TS26.090 V3.1.0 S3.1, TS26.090 V3.1.0 S3.2, TS26.090 V3.1.0 S5.7.1, TS26.090 V3.1.0 S6.1, TS26.090 V3.1.0 Table 6
<b>271</b> T	Panasonic	US 7362813		25/03/2013	Communication system.	5	TS25.104 V5.9.0 S3.2, TS25.201 V5.3.0 S5.5, TS25.201 V8.0.0 S4.2.3, TS25.211 V8.0.0 Figure 27, TS25.211 V8.0.0 S4.1.2, TS25.211 V8.0.0 S4.1.2.7, TS25.211 V8.0.0 S5.2.1, TS25.211 V8.0.0 S5.2.1.1, TS25.211 V8.0.0 S5.3.3.12, TS25.211 V8.0.0 S5.3.3.13, TS25.211 V8.0.0 S6.1, TS25.212 V8.1.0 S4.6.1, TS25.212 V8.1.0 S4.6.2.2, TS25.212 V8.1.0 S4.6.2.3, TS25.213 V8.0.0 Figure 1, TS25.213 V8.0.0 Figure 1A, TS25.213 V8.0.0 S3.2, TS25.213 V8.0.0 S4.2.1, TS25.213 V8.0.0 S4.2.1.1, TS25.213 V8.0.0 S5.1, TS25.213 V8.0.0 S5.1.1, TS25.213 V8.0.0 S5.1.4, TS25.213 V8.0.0 S5.2.2, TS25.213 V8.0.0 Table 3A, TS25.301 V8.0.0 S5.2.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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272 T	Fujitsu	JP 3966420		18/05/2012	Communication method and transmission circuit.	1	TS25.201 V5.3.0 S4.2.3, TS25.211 V6.2.0 Fig. 26B, TS25.211 V6.2.0 Fig. 29, TS25.211 V6.2.0 Fig. 35, TS25.211 V6.2.0 Fig. 9, TS25.211 V6.2.0 S5.3.2, TS25.211 V6.2.0 S5.3.3.13, TS25.211 V6.2.0 S7.1, TS25.211 V6.2.0 S7.8, TS25.211 V6.2.0 Table 26, TS25.301 V5.3.0 Fig. 4, TS25.301 V5.3.0 S5.3.1.1.2.2, TS25.301 V5.3.0 S5.6.9.2, TS25.331 V5.6.0 S10.2.33, TS25.331 V5.6.0 S10.2.40, TS25.331 V5.6.0 S10.3.5.1
273 T	Fujitsu	JP 4177924		17/08/2018	Radio Packet Communication System, Mobile Station and Base Station Used for the Radio Packet Communication System, and Packet Transfer Method in the Radio Packet Communication System.	1	TR25.990 V0.1.4 S3, TS25.211 V5.8.0 Figure 35, TS25.211 V5.8.0 S3.2, TS25.211 V5.8.0 S4.1.2.7, TS25.211 V5.8.0 S5.3.3.12, TS25.211 V5.8.0 S5.3.3.13, TS25.211 V5.8.0 S7.8, TS25.212 V5.10.0 S4.6, TS25.306 V8.5.0 Table 5.1a, TS25.308 V5.7.0 S1, TS25.308 V5.7.0 S3.2, TS25.308 V5.7.0 S4, TS25.308 V5.7.0 S5.2.2.1, TS25.321 V5.14.0 Figure 4.2.3.1, TS25.321 V5.14.0 S11.6.1, TS25.321 V5.14.0 S11.6.1.3, TS25.321 V5.14.0 S11.6.2.2, TS25.321 V5.14.0 S3.2, TS25.321 V5.14.0 S4.2.3, TS25.321 V5.14.0 S4.2.3.3
274 CN, T	Toshiba	JP 3420222		01/04/2014	Gain-shape vector quantization method and its application to the speech coding method and apparatus.	2, 6	TS26.090 V7.0.0 S1, TS26.090 V7.0.0 S3.1, TS26.090 V7.0.0 S3.2, TS26.090 V7.0.0 S4.3, TS26.090 V7.0.0 S4.4, TS26.090 V7.0.0 S5.2.1, TS26.090 V7.0.0 S5.5, TS26.090 V7.0.0 S5.6.1, TS26.090 V7.0.0 S5.7.1, TS26.090 V7.0.0 S5.7.2, TS26.090 V7.0.0 S5.8.2
275 BS, T	Panasonic	EP 0668669	DE, FR, GB	17/02/2015	Data communication system controlling the information transmission bit rate or source encoding rate.	3	TS24.008 V5.16.0 S6.1.3.1, TS24.008 V5.16.0 S6.1.3.1.1, TS27.001 V5.10.0 figure 2, TS27.001 V5.10.0 S4, TS27.001 V5.10.0 S5, TS34.123-1 V5.4.0 S1, TS34.123-1 V5.4.0 S11.1.1.2.1.2, TS34.123-1 V5.4.0 S11.1.1.2.1.3, TS34.123-1 V5.4.0 S11.1.1.2.1.4, TS34.123-1 V5.4.0 S11.1.1.2.1.5

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<b>276</b> T	Panasonic	EP 1760981	DE, FR, GB	27/12/2021	Data reception method.	1, 3	TS25.101 V5.20.0 S5.2, TS25.101 V5.20.0 S9.2.1.2, TS25.101 V5.20.0 Table 5, TS25.101 V5.20.0 Table 9.4, TS25.201 V5.3.0 S4.1.2, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.212 V5.10.0 Table 12, TS25.213 V5.6.0 Fig.8, TS25.213 V5.6.0 S5.1, TS25.308 V5.7.0 S4, TS25.308 V5.7.0 S7.1.2.1, TS25.321 V5.13.0 S11.6.1.2, TS25.321 V5.13.0 S11.6.1.3, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S11.6.2.2, TS25.321 V5.13.0 S4.2.4.3
<b>277</b> T	Panasonic	US 6760590		01/04/2022	Communication terminal apparatus, Base station apparatus, and Radio communication method.	3	TS25.211 V5.8.0 Figure 2A, TS25.211 V5.8.0 S5.2.1, TS25.212 V5.10.0 Figure 20, TS25.212 V5.10.0 S4.7, TS25.212 V5.10.0 S4.7.1, TS25.212 V5.10.0 S4.7.1.2, TS25.212 V5.10.0 Table 14, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 S6A.3, TS25.214 V5.11.0 Table 7A, TS25.321 V5.13.0 Figure 4.2.3.1, TS25.321 V5.13.0 S3.2, TS25.321 V5.13.0 S4.2.3
<b>278</b> T	Panasonic	US 7206587		01/04/2022	Communication terminal apparatus, Base station apparatus, and Radio communication method.	4	TS25.211 V5.7.0 Fig 2A, TS25.211 V5.8.0 S5.2.1, TS25.212 V5.10.0 Figure 20, TS25.212 V5.10.0 S4.7, TS25.212 V5.10.0 S4.7.1.2, TS25.212 V5.10.0 Table 14, TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 Table 7A, TS25.321 V5.13.0 Figure 4.2.3.1, TS25.321 V5.13.0 S4.2.3
<b>279</b> T	Mitsubishi	EP 1471676	DE, FR, GB	21/08/2022	Mobile station and communication system	1	TS25.211 V5.0.0 Figure 3, TS25.211 V5.0.0 S5.2.1, TS25.213 V5.0.0 Figure 1, TS25.213 V5.0.0 Figure 7, TS25.213 V5.0.0 S4.1, TS25.213 V5.0.0 S4.2.1, TS25.213 V5.0.0 S4.4.1, TS25.213 V5.0.0 S4.4.2, TS25.308 V5.2.0 S4, TS25.308 V5.2.0 S5.1

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<b>280</b> BS, T	Mitsubishi	EP 1830475	DE, FR, GB	05/03/2019	Spread spectrum communication device	1	TS25.201 V8.1.0 S4.1.1, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 S1, TS25.212 V5.3.0 S3.1, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2
<b>281</b> T	Mitsubishi	EP 1830478	DE, FR, GB	05/03/2019	Spread spectrum communication method	1	TS25.101 V5.3.0 A5, TS25.101 V5.3.0 Table A.22, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Figure 1, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 Figure 15, TS25.212 V5.3.0 S1, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.11, TS25.212 V5.3.0 S4.2.12.1, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3.1, TS25.212 V5.3.0 S4.4.3.2, TS25.212 V5.3.0 S4.4.4, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2
<b>282</b> BS, T	Mitsubishi	US 6829489		10/08/2021	Communication system, transmitter, receiver, and communication method <b>*With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.</b>	17, 18, 19	TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 Figure 15, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.212 V5.3.0 S4.4.4, TS25.214 V5.4.0 S5.1.2.2, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 S5.2.1.2.1, TS25.214 V5.4.0 S5.2.1.3, TS34.123-1 V8.6.0 S8.4.1.40.2, TS34.123-1 V8.6.0 S8.4.1.40.3, TS34.123-1 V8.6.0 S8.4.1.40.4, TS34.123-1 V8.6.0 Table 8.4.1.40.4-1
<b>283</b> T	Mitsubishi	KR 10-864893		27/01/2026	Active set controlling method <b>*With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.</b>	1	TS25.303 V6.3.0 S6.4.1 Figure 25, TS25.303 V6.3.0 S6.4.6 Figure 32, TS25.331 V6.9.0 Figure 14.1.2.7-1, TS25.331 V6.9.0 S10.3.7.39, TS25.331 V6.9.0 S14.1.1, TS25.331 V6.9.0 S14.1.2, TS25.331 V6.9.0 S14.1.2.7

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<b>284</b>							
T	FT	EP 0960542	DE, ES, FR, GB, IT	19/01/2018	Removable Data Store for an User Interface Device 18		TS21.111 V7.1.0 S1, TS21.111 V7.1.0 S11.2, TS21.111 V7.1.0 S4, TS21.111 V7.1.0 S5.1, TS21.111 V7.1.0 S5.2, TS21.111 V7.1.0 S6.1, TS31.101 V7.0.1 S8.1, TS31.102 V7.13.0 Figure 4.2, TS31.102 V7.13.0 S4.4.2, TS31.102 V7.13.0 S4.7, TS31.102 V7.13.0 S5.1.1.1, TS31.102 V7.13.0 S5.3.29
T	FT	US 6856818		19/01/2018	Data store for mobile radio station	18	TS21.111 V7.1.0 S1, TS21.111 V7.1.0 S11.2, TS21.111 V7.1.0 S4, TS21.111 V7.1.0 S5.1, TS21.111 V7.1.0 S5.2, TS21.111 V7.1.0 S6.1, TS31.101 V7.0.1 S8.1, TS31.102 V7.13.0 Figure 4.2, TS31.102 V7.13.0 S4.4.2, TS31.102 V7.13.0 S4.7, TS31.102 V7.13.0 S5.1.1.1, TS31.102 V7.13.0 S5.3.29
T	FT	CN 1130095		19/01/2018	Removable Data Store for an User Interface Device 18		TS21.111 V7.1.0 S1, TS21.111 V7.1.0 S11.2, TS21.111 V7.1.0 S4, TS21.111 V7.1.0 S5.1, TS21.111 V7.1.0 S5.2, TS21.111 V7.1.0 S6.1, TS31.101 V7.0.1 S8.1, TS31.102 V7.13.0 Figure 4.2, TS31.102 V7.13.0 S4.4.2, TS31.102 V7.13.0 S4.7, TS31.102 V7.13.0 S5.1.1.1, TS31.102 V7.13.0 S5.3.29
T	FT	IN 208486		09/02/2018	A modified standard subscriber data storage module	18	TS21.111 V7.1.0 S10.2.2, TS21.111 V7.1.0 S11.2, TS21.111 V7.1.0 S4, TS31.102 V7.13.0 Figure 4.1, TS31.102 V7.13.0 Figure 4.2, TS31.102 V7.13.0 S4.4.2, TS31.102 V7.13.0 S4.7, TS31.102 V7.13.0 S5.1.1.1
T	FT	AU 729163		19/01/2018	Data store for mobile radio station	18	TS21.111 V7.1.0 S1, TS21.111 V7.1.0 S11.2, TS21.111 V7.1.0 S4, TS21.111 V7.1.0 S5.1, TS21.111 V7.1.0 S5.2, TS21.111 V7.1.0 S6.1, TS31.101 V7.0.1 S8.1, TS31.102 V7.13.0 Figure 4.2, TS31.102 V7.13.0 S4.4.2, TS31.102 V7.13.0 S4.7, TS31.102 V7.13.0 S5.1.1.1, TS31.102 V7.13.0 S5.3.29
T	FT	CA 2280150		19/01/2018	Removable data store	18	TS21.111 V7.1.0 S1, TS21.111 V7.1.0 S11.2, TS21.111 V7.1.0 S4, TS21.111 V7.1.0 S5.1, TS21.111 V7.1.0 S5.2, TS21.111 V7.1.0 S6.1, TS31.101 V7.0.1 S8.1, TS31.102 V7.13.0 Figure 4.2, TS31.102 V7.13.0 S4.4.2, TS31.102 V7.13.0 S4.7, TS31.102 V7.13.0 S5.1.1.1, TS31.102 V7.13.0 S5.3.29
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T	FT	JP 4357596		19/01/2018	Removable data store	18	TS21.111 V7.1.0 S1, TS21.111 V7.1.0 S11.2, TS21.111 V7.1.0 S4, TS21.111 V7.1.0 S5.1, TS21.111 V7.1.0 S5.2, TS21.111 V7.1.0 S6.1, TS31.101 V7.0.1 S8.1, TS31.102 V7.13.0 Figure 4.2, TS31.102 V7.13.0 S3.3, TS31.102 V7.13.0 S4.4.2, TS31.102 V7.13.0 S4.7, TS31.102 V7.13.0 S5.1.1.1, TS31.102 V7.13.0 S5.3.29
<b>285</b>							
BS, T	NEC	KR 100854991		19/05/2024	Rate control method and apparatus for data packet transmission	1, 16, 17	TS25.214 V25.214 S5.1.2.5B.2.2, TS25.214 V6.11.0 S5.1.2.5B.2.1, TS25.214 V6.11.0 S5.1.2.5B.2.3, TS25.321 V6.17.0 Annex B, TS25.321 V6.17.0 B4 Table 1, TS25.321 V6.17.0 S11.8.1.3, TS25.321 V6.17.0 S11.8.1.3.1, TS25.321 V6.17.0 S11.8.1.4, TS25.321 V6.17.0 S3.1.2, TS25.321 V6.17.0 S9.2.5.2, TS25.321 V6.17.0 S9.2.5.2.1, TS25.321 V6.17.0 S9.2.5.2.2, TS25.321 V6.17.0 Table 9.2.5.2.1.1, TS25.410 V6.5.0 Fig. 4.1, TS25.410 V6.5.0 S4.1.1
<b>286</b>							
BS, T	Panasonic	JP 4116925		13/05/2023	A radio base station apparatus, a control station apparatus, a communication terminal apparatus, a method for generating a transmission signal, a reception method and a radio communication system	12, 20	TS25.211 V6.9.0 Fig. 12A, TS25.211 V6.9.0 S5, TS25.211 V6.9.0 S5.3.2, TS25.211 V6.9.0 S5.3.2.4, TS25.211 V6.9.0 S5.3.2.5, TS25.213 V6.5.0 Fig. 11, TS25.213 V6.5.0 Fig. 8, TS25.213 V6.5.0 Fig. 9, TS25.213 V6.5.0 S5.1, TS25.213 V6.5.0 S5.1.5, TS25.213 V6.5.0 S5.2.1, TS25.213 V6.5.0 S5.3.2, TS25.309 V6.3.0 S14.1, TS25.309 V6.6.0 S6.3.2
<b>287</b>							
T	Panasonic	JP 4145915		18/11/2022	A transmission apparatus and a reception apparatus	7, 9	TS25.212 V5.10.0 Figure 16, TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 11, TS25.212 V5.10.0 Table 12, TS25.321 V5.13.0 S11.6.1.1, TS25.321 V5.13.0 S11.6.1.3, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S11.6.2.2, TS25.321 V5.13.0 S4.2.4.3
<b>288</b>							
T	Panasonic	US 7460880		25/02/2022	Communication Terminal Apparatus and Base Station Apparatus	1	TS25.101 V5.20.0 S3.2, TS25.101 V5.20.0 S5.2, TS25.101 V5.20.0 Table 5, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.2, TS25.214 V5.11.0 S6A.2, TS25.214 V5.11.0 Table 7A, TS25.214 V5.11.0 Table 7B, TS25.214 V5.11.0 Table 7C

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

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<b>289</b>							
T	Panasonic	US 7471740		18/11/2022	Arq Retransmission with Reordering Scheme Employing Multiple Redundancy Versions and Receiver/Transmitter Therefor	29	TS25.212 V5.10.0 S4.5, TS25.212 V5.10.0 S4.5.4, TS25.212 V5.10.0 S4.5.4.3, TS25.212 V5.10.0 S4.5.7, TS25.212 V5.10.0 S4.6.2.1, TS25.212 V5.10.0 Table 12, TS25.301 V5.6.0 S5.3.1.2, TS25.321 V5.13.0 S11.6.1.3, TS25.321 V5.13.0 S11.6.2.1, TS25.321 V5.13.0 S4.2.4, TS25.321 V5.13.0 S4.2.4.3
<b>290</b>							
BS, T	SK Telecom	KR 0364583		01/12/2019	Apparatus and Method for repeating and transmitting of memory-less error correction channel coded signal	1, 16	TS25.211 V6.9.0 figure 2B, TS25.211 V6.9.0 Figure 9, TS25.211 V6.9.0 S5.2.1, TS25.211 V6.9.0 S5.2.1.3, TS25.211 V6.9.0 S5.3.2, TS25.211 V6.9.0 Table 11, TS25.211 V6.9.0 Table 5C, TS25.212 V6.10.0 S4.3.5.1, TS25.212 V6.10.0 Figure 23, TS25.212 V6.10.0 Figure 9, TS25.212 V6.10.0 S4.3.3, TS25.212 V6.10.0 S4.9, TS25.212 V6.10.0 S4.9.1, TS25.212 V6.10.0 S4.9.4, TS25.212 V6.10.0 S4.9.5, TS25.213 V6.5.0 Fig. 8, TS25.213 V6.5.0 Figure 1, TS25.213 V6.5.0 Figure 7, TS25.213 V6.5.0 S4.2.1, TS25.213 V6.5.0 S4.4.2, TS25.213 V6.5.0 S5.1, TS25.213 V6.5.0 S5.1.1, TS25.213 V6.5.0 Table 0, TS25.213 V6.5.0 Table 3A
BS, T	SK Telecom	DE 10059873		01/12/2020	Apparatus and method for repeatedly transmitting and receiving symbols made by a memory-less ECC technique	1, 18	TS25.211 V6.9.0 figure 2B, TS25.211 V6.9.0 Figure 9, TS25.211 V6.9.0 S5.2.1, TS25.211 V6.9.0 S5.2.1.3, TS25.211 V6.9.0 S5.3.2, TS25.211 V6.9.0 Table 11, TS25.211 V6.9.0 Table 5C, TS25.212 V6.10.0 S4.3.5.1, TS25.212 V6.10.0 Figure 23, TS25.212 V6.10.0 Figure 9, TS25.212 V6.10.0 S4.3.3, TS25.212 V6.10.0 S4.9, TS25.212 V6.10.0 S4.9.1, TS25.212 V6.10.0 S4.9.4, TS25.212 V6.10.0 S4.9.5, TS25.213 V6.5.0 Fig. 8, TS25.213 V6.5.0 Figure 1, TS25.213 V6.5.0 Figure 7, TS25.213 V6.5.0 S4.2.1, TS25.213 V6.5.0 S4.4.2, TS25.213 V6.5.0 S5.1, TS25.213 V6.5.0 S5.1.1, TS25.213 V6.5.0 Table 0, TS25.213 V6.5.0 Table 3A
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>291</b>							
T	KPN	EP 0716796	CH, DE, FR, GB, NL, SE	31/08/2014	Mobile Communication System with Overlapping Domains	1, 3	TS31.102 V8.5.0 S4.2.17, TS31.102 V8.5.0 S4.2.3, TS31.102 V8.5.0 S4.2.5, TS43.318 V8.3.0 Annex C Section C.1, TS43.318 V8.3.0 Figure 56, TS43.318 V8.3.0 Figure 8, TS43.318 V8.3.0 S1, TS43.318 V8.3.0 S5.1, TS43.318 V8.3.0 S7.1, TS43.318 V8.3.0 S7.2.2, TS43.318 V8.3.0 S8.4.1, TS43.318 V8.3.0 S9.14.2, TS43.318 V8.3.0 S9.14.2.1
<b>292</b>							
BS, T	NTT	JP 3243108		08/02/2014	Spread-spectrum Radio Communication System	1	TS25.101 V8.5.1 S5.1, TS25.201 V8.1.0 S4.1.2, TS25.211 V8.3.0 S4.2, TS25.211 V8.3.0 S5.2.1.1, TS25.211 V8.3.0 Table 1, TS25.211 V8.3.0 Table 2, TS25.213 V8.3.0 Figure 1, TS25.213 V8.3.0 Figure 7, TS25.213 V8.3.0 S4.1, TS25.213 V8.3.0 S4.2.1, TS25.213 V8.3.0 S4.3.1.2.1, TS25.213 V8.3.0 S4.3.1.2.2, TS25.213 V8.3.0 S4.3.1.2.3, TS25.213 V8.3.0 S4.4.2, TS25.213 V8.3.0 Table 0, TS25.213 V8.3.0 Table 1D, TS25.213 V8.3.0 Table 1E, TS25.303 V8.0.0 Figure 18, TS25.303 V8.0.0 S6.2.6
BS, T	NTT	JP 3479777		08/02/2014	Radio Transmitter and Radio Receiver for Spread-spectrum Radio Communication	1	TS25.101 V8.5.1 S5.1, TS25.101 V8.5.1 S6.1, TS25.101 V8.5.1 S7.1, TS25.104 V8.6.0 S6.1, TS25.104 V8.6.0 S7.1, TS25.106 V8.1.0 S3.1, TS25.211 V8.3.0 S5.2.1.1, TS25.211 V8.3.0 Table 1, TS25.211 V8.3.0 Table 2, TS25.213 V8.3.0 Figure 1, TS25.213 V8.3.0 Figure 7, TS25.213 V8.3.0 S4.1, TS25.213 V8.3.0 S4.2.1, TS25.213 V8.3.0 S4.3.1.2.1, TS25.213 V8.3.0 S4.3.1.2.2, TS25.213 V8.3.0 S4.3.1.2.3, TS25.213 V8.3.0 S4.4.2, TS25.213 V8.3.0 Table 0, TS25.213 V8.3.0 Table 1D, TS25.213 V8.3.0 Table 1E, TS25.303 V8.0.0 Figure 18, TS25.303 V8.0.0 S6.2.6
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<b>293</b>							
BS, T	NTT	JP 3243109		08/02/2014	Spread-spectrum Radio Communication System	1	TS25.101 V8.5.1 S5.1, TS25.101 V8.5.1 S6.1, TS25.101 V8.5.1 S6.5.3, TS25.101 V8.5.1 S7.1, TS25.104 V8.6.0 S6.1, TS25.104 V8.6.0 S7.1, TS25.106 V8.1.0 S3.1, TS25.201 V8.1.0 S4.1.2, TS25.211 V8.3.0 S5.2.1.1, TS25.211 V8.3.0 Table 1, TS25.211 V8.3.0 Table 2, TS25.213 V8.3.0 Figure 1, TS25.213 V8.3.0 Figure 1A, TS25.213 V8.3.0 Figure 1B, TS25.213 V8.3.0 Figure 1C, TS25.213 V8.3.0 Figure 7, TS25.213 V8.3.0 S4.1, TS25.213 V8.3.0 S4.2.1, TS25.213 V8.3.0 S4.2.1.1, TS25.213 V8.3.0 S4.2.1.2, TS25.213 V8.3.0 S4.2.1.3, TS25.213 V8.3.0 S4.3.1.2.1, TS25.213 V8.3.0 S4.3.1.2.2, TS25.213 V8.3.0 S4.3.1.2.3, TS25.213 V8.3.0 S4.4.2, TS25.213 V8.3.0 Table 0, TS25.213 V8.3.0 Table 1D, TS25.213 V8.3.0 Table 1E, TS25.214 V8.4.0 S5.1.2.2.1, TS25.214 V8.4.0 S5.1.2.5.1, TS25.303 V8.0.0 Figure 18, TS25.303 V8.0.0 S6.2.6
BS, T	NTT	JP 3479778		08/02/2014	Radio Transmitter and Radio Receiver for Spread-spectrum Radio Communication	1	TS25.101 V8.5.1 S5.1, TS25.101 V8.5.1 S6.1, TS25.101 V8.5.1 S6.5.3, TS25.101 V8.5.1 S7.1, TS25.104 V8.6.0 S6.1, TS25.104 V8.6.0 S7.1, TS25.106 V8.1.0 S3.1, TS25.211 V8.3.0 S5.2.1.1, TS25.211 V8.3.0 Table 1, TS25.211 V8.3.0 Table 2, TS25.213 V8.3.0 Figure 1, TS25.213 V8.3.0 Figure 1A, TS25.213 V8.3.0 Figure 1B, TS25.213 V8.3.0 Figure 1C, TS25.213 V8.3.0 Figure 7, TS25.213 V8.3.0 S1, TS25.213 V8.3.0 S4.1, TS25.213 V8.3.0 S4.2.1, TS25.213 V8.3.0 S4.2.1.1, TS25.213 V8.3.0 S4.2.1.2, TS25.213 V8.3.0 S4.2.1.3, TS25.213 V8.3.0 S4.3.1.2.1, TS25.213 V8.3.0 S4.3.1.2.2, TS25.213 V8.3.0 S4.3.1.2.3, TS25.213 V8.3.0 S4.4.2, TS25.213 V8.3.0 Table 0, TS25.213 V8.3.0 Table 1D, TS25.213 V8.3.0 Table 1E, TS25.214 V8.4.0 S5.1.2.2.1, TS25.214 V8.4.0 S5.1.2.5.1, TS25.303 V8.0.0 Figure 18, TS25.303 V8.0.0 S6.2.6

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<b>294</b>							
BS, T	Mitsubishi	EP 1865630	DE, FR, GB	30/03/2024	Mobile Communications Terminal and Radio Communication System *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.212 V6.5.0 S4.1, TS25.215 V6.4.0 S5.1.9, TS25.301 V6.5.0 Fig 2, TS25.301 V6.5.0 S5.1, TS25.331 V6.6.0 Figure 8.7.2-1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.3, TS25.331 V6.6.0 S8.7.1.3, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S4, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7, TS25.346 V6.5.0 S7.3.1
<b>295</b>							
BS, T	Mitsubishi	EP 1871018	DE, FR, GB	30/03/2024	Mobile Communications Terminal and Radio Communication System *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.211 V6.7.0 S5.3.3.1, TS25.211 V6.7.0 S5.3.3.1.1, TS25.212 V6.5.0 S4.1, TS25.215 V6.4.0 S5.1.9, TS25.301 V6.5.0 Fig 2, TS25.301 V6.5.0 S5.1, TS25.331 V6.6.0 Figure 8.7.2-1, TS25.331 V6.6.0 S10.2.16k, TS25.331 V6.6.0 S10.2.16m, TS25.331 V6.6.0 S10.3.9a.12, TS25.331 V6.6.0 S3.2, TS25.331 V6.6.0 S8.7.2, TS25.331 V6.6.0 S8.7.2.3, TS25.331 V6.6.0 S8.7.5.4, TS25.346 V6.5.0 S1, TS25.346 V6.5.0 S10.2, TS25.346 V6.5.0 S3.3, TS25.346 V6.5.0 S5.1.5, TS25.346 V6.5.0 S5.2.3, TS25.346 V6.5.0 S6.2, TS25.346 V6.5.0 S6.2.1.2, TS25.346 V6.5.0 S7.1, TS25.346 V6.5.0 S7.3.1
<b>296</b>							
T	Mitsubishi	JP 4236941		04/03/2019	Mobile Radio Communication System, Communication Device Applied to Mobile Radio Communication System and Mobile Radio Communication Method	2, 6	TS25.133 V6.0.1 S8.1.2.5, TS25.133 V6.0.1 S8.1.2.5.2.1, TS25.133 V6.0.1 Table 8.7, TS25.201 V3.4.0 S4.1.1, TS25.211 V5.4.0 Figure 9, TS25.211 V5.4.0 S1, TS25.211 V5.4.0 S3.2, TS25.211 V5.4.0 S5, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2 Figure 2, TS25.212 V5.3.0 S4.2.11, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4 Fig. 11, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S1, TS45.001 V4.4.0 S5.1
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>297</b>							
T	Mitsubishi	JP 4249244		04/03/2019	Receiver	2	TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.1, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.133 V6.0.0 Table 8.7, TS25.201 V5.3.0 S4.2.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 Figure 15, TS25.212 V5.3.0 S4.2.11, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.4, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 S5.1
<b>298</b>							
T	Mitsubishi	US 7379476		04/03/2019	Mobile Radio Communication System, Communication Apparatus Applied in a Mobile Radio Communication System, and Mobile Radio Communication Method	2	TS25.101 V5.20.0 S3.2, TS25.133 V6.0.0 S8.1.2.5, TS25.133 V6.0.0 S8.1.2.5.2, TS25.133 V6.0.0 S8.1.2.5.2.1, TS25.133 V6.0.0 Table 8.5, TS25.133 V6.0.0 Table 8.7, TS25.201 V5.3.0 S4.1.1, TS25.211 V5.4.0 Fig. 9, TS25.211 V5.4.0 S5, TS25.211 V5.4.0 S5.3.2, TS25.212 V5.3.0 Figure 11, TS25.212 V5.3.0 S4.4, TS25.215 V5.6.0 Fig. 1, TS25.215 V5.6.0 S6.1.1.1, TS25.215 V5.6.0 S6.1.1.2, TS45.001 V4.4.0 Fig. 1, TS45.001 V4.4.0 Fig. 3, TS45.001 V4.4.0 Figure 2, TS45.001 V4.4.0 Figure 2a1, TS45.001 V4.4.0 Figure 2a2, TS45.001 V4.4.0 Figure 2b, TS45.001 V4.4.0 S5, TS45.001 V4.4.0 S5.1, TS45.001 V4.4.0 S5.2, TS45.001 V4.4.0 S5.3
<b>299</b>							
BS, RNC, T	NTT	JP 3312718		02/09/2016	A CDMA Method	1	TS22.060 V8.0.0 S6.1.1, TS23.060 V8.3.0 S4, TS23.060 V8.3.0 S6.3.3.1, TS23.060 V8.3.0 Table 2, TS25.211 V8.3.0 Figure 27, TS25.211 V8.3.0 S5.2.1.1, TS25.211 V8.3.0 S5.3.3.13, TS25.211 V8.3.0 S6.1, TS25.213 V8.3.0 Figure 8, TS25.213 V8.3.0 S3.1, TS25.213 V8.3.0 S5.1, TS25.213 V8.3.0 S5.2.1, TS25.301 V8.4.0 Figure 3, TS25.301 V8.4.0 S5.3.1.1.1, TS25.301 V8.4.0 S5.3.1.1.2.2, TS25.303 V8.0.0 S6.2.1.1, TS25.308 V8.4.0 S4, TS25.308 V8.4.0 S5.2.2.1
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<b>300</b>							
T	Mitsubishi	AU 2006229008		27/01/2026	Mobile communications system, handover controlling method, radio network controller and mobile terminal *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1	TS25.331 V6.9.0 Figure 14.1.2.7-1, TS25.331 V6.9.0 S10.3.7.39, TS25.331 V6.9.0 S14.1.1, TS25.331 V6.9.0 S14.1.2, TS25.331 V6.9.0 S14.1.2.7
<b>301</b>							
T	Mitsubishi	EP 1921765	DE, FR, GB	05/03/2019	Spread spectrum communication device	1	TS25.101 V5.3.0 Annex A.5, TS25.101 V5.3.0 Table A.22, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 Figure 1, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 Figure 15, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.11, TS25.212 V5.3.0 S4.2.12, TS25.212 V5.3.0 S4.2.12.1, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.212 V5.3.0 S4.4.3.2, TS25.212 V5.3.0 S4.4.4, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2, TS25.215 V5.6.0 S6.1.1.1
<b>302</b>							
T	Mitsubishi	JP 4271714		05/03/2019	Mobile station	1	TS25.101 V5.3.0 Annex A.5, TS25.101 V5.3.0 Table A.22, TS25.201 V5.3.0 S4.1.1, TS25.211 V5.4.0 S3.2, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 Figure 1, TS25.212 V5.3.0 Figure 11, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 Figure 15, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.11, TS25.212 V5.3.0 S4.2.12.1, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.212 V5.3.0 S4.4.3.2, TS25.212 V5.3.0 S4.4.4, TS25.214 V5.4.0 Fig 14, TS25.214 V5.4.0 Fig 28, TS25.214 V5.4.0 Fig 30, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2, TS25.214 V5.4.0 Table A.22, TS25.215 V5.6.0 S6.1.1.1
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
<b>303</b>							
T	Mitsubishi	JP 4266037		05/03/2019	Mobile station	1	TS25.101 V5.3.0 Annex A.5, TS25.101 V5.3.0 Table A.22, TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Fig. 2, TS25.212 V5.3.0 Figure 1, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 S4.2, TS25.212 V5.3.0 S4.2.11, TS25.212 V5.3.0 S4.2.12, TS25.212 V5.3.0 S4.2.12.1, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.212 V5.3.0 S4.4.3.2, TS25.212 V5.3.0 S4.4.4, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2, TS25.215 V5.6.0 S6.1.1.1
<b>304</b>							
T	Siemens	US 7386300		26/08/2023	Methods for assigning a priority mechanism to at least one group of TLV-objects	1, 3, 7, 10, 11	TS31.102 V8.4.0 S1, TS31.102 V8.4.0 S3.3, TS31.102 V8.4.0 S4.2.67, TS31.102 V8.4.0 S4.2.69, TS31.102 V8.4.0 S4.2.8
<b>305</b>							
T	Fujitsu	US 7515563		17/01/2022	Communications systems	1	TS25.212 V7.9.0 S4.6B.1, TS25.213 V7.0.0 S5.2.1, TS25.214 V7.12.0 Figure 7, TS25.214 V7.12.0 S9
T	Fujitsu	GB 2371947		01/02/2021	Communications systems	13	TS25.212 V7.9.0 Fig 16, TS25.212 V7.9.0 Fig 17, TS25.212 V7.9.0 Fig 7, TS25.212 V7.9.0 S4.1, TS25.212 V7.9.0 S4.2, TS25.212 V7.9.0 S4.5, TS25.212 V7.9.0 S4.5.4, TS25.212 V7.9.0 S4.5.4.3, TS25.212 V7.9.0 S4.6B.1, TS25.213 V7.0.0 S5.2, TS25.213 V7.0.0 S5.2.1, TS25.214 V7.12.0 Figure 7, TS25.214 V7.12.0 S9, TS25.301 V7.4.0 Fig 5.6.9.3-2, TS25.301 V7.4.0 Fig 9a, TS25.301 V7.4.0 S5.3.5, TS25.301 V7.4.0 S5.6.9.3
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>306</b>							
T	Fujitsu	TW 124666		17/03/2019	Signal process having feedback loop control for decision feedback equalizer.	60	TR25.990 V3.0.0 S3, TR25.990 V3.0.0 S4, TS25.211 V7.6.0 Fig. 27, TS25.211 V7.6.0 Fig. 2A, TS25.211 V7.6.0 Fig. 34, TS25.211 V7.6.0 Fig. 35, TS25.211 V7.6.0 S5.2.1.2, TS25.211 V7.6.0 S6.1, TS25.211 V7.6.0 S7.7, TS25.211 V7.6.0 S7.8, TS25.212 V7.9.0 S4.2.3, TS25.212 V7.9.0 S4.5.3, TS25.306 V7.9.0 S4.5.3, TS25.306 V7.9.0 S5, TS25.306 V7.9.0 Table 5.1a, TS25.308 V7.9.0 S5.2.2.1, TS25.321 V7.11.0 S11.6.1, TS25.321 V7.11.0 S11.6.2.2, TS25.321 V7.11.0 S8.1.2
T	Fujitsu	KR 307017		15/04/2019	Signal Processor having feedback loop control for decision feedback equalizer.	60	TR25.990 V3.0.0 S3, TR25.990 V3.0.0 S4.20, TS25.211 V7.6.0 Fig. 27, TS25.211 V7.6.0 Fig. 2A, TS25.211 V7.6.0 Fig. 34, TS25.211 V7.6.0 Fig. 35, TS25.211 V7.6.0 S5.2.1.2, TS25.211 V7.6.0 S6.1, TS25.211 V7.6.0 S7.7, TS25.211 V7.6.0 S7.8, TS25.212 V7.9.0 S4.2.3, TS25.212 V7.9.0 S4.5.3, TS25.306 V7.9.0 S4.5.3, TS25.306 V7.9.0 S5.1, TS25.306 V7.9.0 Table 5.1a, TS25.308 V7.9.0 figure 5.2.2.1-1, TS25.308 V7.9.0 Figure 5.2.2.1-2, TS25.308 V7.9.0 S5.2.2.1, TS25.321 V7.11.0 S11.6.1, TS25.321 V7.11.0 S11.6.2.2, TS25.321 V7.11.0 S8.1.2
<b>307</b>							
T	Siemens	US 7346646		28/08/2023	Method and Apparatus for Transmitting Data Frames, and a Method and Apparatus for Data Rate Matching	8, 17	TS25.201 V4.0.0 Figure 1, TS25.201 V4.0.0 S4.1.1, TS25.201 V4.0.0 S4.1.2, TS25.212 V4.0.0 S4.1, TS25.212 V4.0.0 S4.2, TS25.212 V4.0.0 S4.2.4, TS25.212 V4.0.0 S4.2.5.2, TS25.212 V4.0.0 S4.2.7, TS25.212 V4.0.0 S4.2.7.1.2, TS25.212 V4.0.0 S4.2.7.1.2.1
<b>308</b>							
T	Sharp	US 7031370		29/02/2020	Spread spectrum communication device	10	TS25.101 V3.1.0 S6.8.1, TS25.201 V3.0.0 S4.1.1, TS25.201 V3.0.0 S4.2.1, TS25.213 V3.1.1 Figure 1, TS25.213 V3.1.1 Figure 5, TS25.213 V3.1.1 Figure 7, TS25.213 V3.1.1 S4.1, TS25.213 V3.1.1 S4.2.1, TS25.213 V3.1.1 S4.3.2.1, TS25.213 V3.1.1 S4.3.2.2, TS25.213 V3.1.1 S4.3.2.3, TS25.213 V3.1.1 S4.4.2, TS25.213 V3.1.1 Table 1
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>309</b>							
T	Mitsubishi	JP 4213117		10/05/2022	Mobile communication system, base station and mobile station	3, 5	TS25.211 V5.8.0 Figure 26A, TS25.211 V5.8.0 S4.1.2.7, TS25.211 V5.8.0 S5.3.3.12, TS25.214 V5.11.0 S6A.1, TS25.214 V5.11.0 S6A.1.1
<b>310</b>							
T	Mitsubishi	US 7525945		05/03/2019	Spread spectrum communication device and spread spectrum communication method	1	TS25.101 V5.3.0 Annex A.5, TS25.101 V5.3.0 Table A.22, TS25.211 V5.4.0 Figure 1, TS25.211 V5.4.0 S5.2.1, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Figure 1, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 S1, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.214 V5.4.0 S5.1.2.1, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2
<b>311</b>							
CN, T	Mitsubishi	JP 3346765		07/12/2018	A speech decoding method and a speech decoding apparatus.	3, 5	TS26.173 V5.4.0 S1, TS26.190 V5.0.0 Figure 3, TS26.190 V5.0.0 S2, TS26.190 V5.0.0 S3.2, TS26.190 V5.0.0 S4.3, TS26.190 V5.0.0 S4.4, TS26.190 V5.0.0 S5.7, TS26.190 V5.0.0 S6, TS26.190 V5.0.0 S6.1
CN, T	Mitsubishi	CN 98812682		07/12/2018	A speech decoding method and a speech decoding apparatus.	1, 2	TS26.173 V5.0.0 S1, TS26.190 V5.0.0 Figure 3, TS26.190 V5.0.0 S2, TS26.190 V5.0.0 S3.2, TS26.190 V5.0.0 S4.3, TS26.190 V5.0.0 S4.4, TS26.190 V5.0.0 S5.7, TS26.190 V5.0.0 S6, TS26.190 V5.0.0 S6.1
CN, T	Mitsubishi	KR 10-0373614		07/12/2018	Sound encoding method and sound decoding method, and sound encoding device and sound decoding device.	16	TS26.173 V5.0.0 S1, TS26.190 V5.0.0 Figure 3, TS26.190 V5.0.0 S2, TS26.190 V5.0.0 S3.2, TS26.190 V5.0.0 S4.3, TS26.190 V5.0.0 S4.4, TS26.190 V5.0.0 S5.7, TS26.190 V5.0.0 S6, TS26.190 V5.0.0 S6.1
<b>312</b>							
T	Siemens	EP 1796406	AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, NL, PT, SE, TR	27/06/2021	Methods, devices and software programs for processing and/or evaluating Multimedia Messaging Service (MMS) messages	1, 7	TS21.111 V8.2.0 S4, TS22.038 V8.0.1 Figure 1, TS22.038 V8.0.1 S1, TS22.038 V8.0.1 S4, TS23.140 V6.16.0 Figure 1, TS23.140 V6.16.0 Figure 2, TS23.140 V6.16.0 S3.1, TS23.140 V6.16.0 S4.1, TS23.140 V6.16.0 S4.2, TS23.140 V6.16.0 S5.1.1, TS31.111 V8.4.0 S1, TS31.111 V8.4.0 S6.6.36
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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<b>313</b>							
CN, T	Siemens	US 7305227		23/04/2022	Cost accounting during data transmission in a mobile radio telephone network	1, 17	TS22.140 V6.7.0 S8, TS23.140 V6.14.0 Fig 3, TS23.140 V6.14.0 Fig 6, TS23.140 V6.14.0 Fig 8, TS23.140 V6.14.0 S1, TS23.140 V6.14.0 S5.6, TS23.140 V6.14.0 S6.1, TS23.140 V6.14.0 S7.1, TS23.140 V6.14.0 S7.1.10, TS23.140 V6.14.0 S8.1.4, TS23.140 V6.14.0 S8.1.4.3, TS23.140 V6.14.0 S8.1.4.4, TS23.140 V6.14.0 S8.7.1, TS23.140 V6.14.0 S8.7.1.3, TS23.140 V6.14.0 S8.7.1.4, TS23.140 V6.14.0 Table 58, TS23.140 V6.14.0 Table 59, TS23.140 V6.14.0 Table 7, TS23.140 V6.14.0 Table 8
<b>314</b>							
T	Mitsubishi	JP 4387001		27/08/2019	Mobile Station and Communication Method *With effect from 1 July 2010, the effective ownership of this patent has been transferred to Sony Corporation: the patents will continue to be licensed only under Joint License Agreements currently in force until the end of the term of the current license.	1, 3	TS25.211 V5.4.0 S5.2.1, TS25.211 V5.4.0 Table 2, TS25.212 V5.3.0 Fig. 11, TS25.212 V5.3.0 Figure 14, TS25.212 V5.3.0 Figure 15, TS25.212 V5.3.0 S4.4, TS25.212 V5.3.0 S4.4.3, TS25.212 V5.3.0 S4.4.4, TS25.214 V5.4.0 S5.1.2.2.1, TS25.214 V5.4.0 S5.1.2.2.2.1, TS25.214 V5.4.0 S5.1.2.3, TS25.214 V5.4.0 Table 2
<b>315</b>							
T	FT	KR 10-0549133		19/11/2021	Noise Reduction Method and Device using two pass Filtering.	10	TS22.243 V8.0.0 figure 1, TS22.243 V8.0.0 S1, TS22.243 V8.0.0 S2.1, TS22.243 V8.0.0 S2.2, TS22.243 V8.0.0 S3.1, TS22.243 V8.0.0 S4, TS22.243 V8.0.0 S5, TS22.243 V8.0.0 S7, TS26.177 V8.0.0 S2, TS26.243 V8.0.0 S2

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CN, RNC, T	FT	EP 1741264	DE, ES, FR, GB, IT	19/04/2025	Telecommunication system	1	TS23.060 V8.7.0 Figure 63, TS23.060 V8.7.0 Figure 64, TS23.060 V8.7.0 Figure 6a, TS23.060 V8.7.0 figure 6b, TS23.060 V8.7.0 Figure 6c, TS23.060 V8.7.0 Figure 6d, TS23.060 V8.7.0 Figure 7, TS23.060 V8.7.0 Figure 8, TS23.060 V8.7.0 S4, TS23.060 V8.7.0 S5.3.2.4, TS23.060 V8.7.0 S5.3.2.5, TS23.060 V8.7.0 S5.5., TS23.060 V8.7.0 S5.6.2.1, TS23.060 V8.7.0 S5.6.2.2, TS23.060 V8.7.0 S5.6.3, TS23.060 V8.7.0 S5.6.3.1, TS23.060 V8.7.0 S5.6.3.2, TS23.060 V8.7.0 S9.2.1, TS23.060 V8.7.0 S9.2.2.1, TS23.060 V8.7.0 Table 1, TS23.228 V8.9.0 E0, TS23.228 V8.9.0 E5, TS23.228 V8.9.0 Figure 5.5.b, TS23.228 V8.9.0 S4.6.0, TS23.228 V8.9.0 S4.6.1, TS23.228 V8.9.0 S5.4.2a, TS23.401 V8.8.0 Figure 5.1.1.4-1, TS23.401 V8.8.0 Figure 5.1.1.5-1, TS23.401 V8.8.0 Figure 5.1.1.6-1, TS23.401 V8.8.0 Figure 5.1.1.7-1, TS23.401 V8.8.0 Figure 5.1.1.8-1, TS23.401 V8.8.0 Figure 5.1.2.1-1, TS23.401 V8.8.0 Figure 5.1.2.2-1, TS23.401 V8.8.0 Figure 5.1.2.3-1, TS23.401 V8.8.0 Figure 5.1.2.4-1, TS23.401 V8.8.0 Figure 5.1.2.5-1, TS23.401 V8.8.0 S5.1, TS23.401 V8.8.0 S5.1.1.1, TS23.401 V8.8.0 S5.1.1.4, TS23.401 V8.8.0 S5.1.1.5, TS23.401 V8.8.0 S5.1.1.6, TS23.401 V8.8.0 S5.1.1.7, TS23.401 V8.8.0 S5.1.1.8, TS23.401 V8.8.0 S5.1.2.1, TS23.401 V8.8.0 S5.1.2.2, TS23.401 V8.8.0 S5.1.2.3, TS23.401 V8.8.0 S5.1.2.4, TS23.401 V8.8.0 S5.1.2.5, TS23.402 V8.8.0 A.1, TS23.402 V8.8.0 A.2, TS23.402 V8.8.0 Annex A, TS23.402 V8.8.0 Figure 4.2.2-2, TS23.402 V8.8.0 Figure 5.1.3.1-1, TS23.402 V8.8.0 Figure 5.1.4.2-1, TS23.402 V8.8.0 Figure 5.1.4.3-1, TS23.402 V8.8.0 Figure 5.1.4.4-1, TS23.402 V8.8.0 Figure 5.1.4-1, TS23.402 V8.8.0 Figure 6.1.2-1, TS23.402 V8.8.0 Figure A.1-1, TS23.402 V8.8.0 Figure A.1-2, TS23.402 V8.8.0 Figure A.1-3, TS23.402 V8.8.0 Figure A.2-1, TS23.402 V8.8.0 S1, TS23.402 V8.8.0 S4.2.2, TS23.402 V8.8.0 S4.3.3.2, TS23.402 V8.8.0 S4.3.3.3, TS23.402 V8.8.0 S4.3.4, TS23.402 V8.8.0 S5.1.2, TS23.402 V8.8.0 S5.1.3.1, TS23.402 V8.8.0 S5.1.4.1, TS23.402 V8.8.0 S5.1.4.2, TS23.402 V8.8.0 S5.1.4.3, TS23.402 V8.8.0 S5.1.4.4, TS23.402 V8.8.0 S6.1.2, TS29.060 V8.11.0 Figure 1, TS29.060 V8.11.0 S3.1, TS29.060 V8.11.0

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							S4.1
<b>317</b> BS, T	Toshiba	US 11/272736		20/06/2015	Radio Communication Method including SDL having transmission rate of relatively high speed.	2	TR21.905 V5.10.0 S3, TS25.101 V5.20.0 S5.2, TS25.101 V5.20.0 S6.1, TS25.101 V5.20.0 S7.1, TS25.101 V5.20.0 Table 5, TS25.104 V5.13.0 S6.1, TS25.104 V5.13.0 S7.1, TS25.306 V5.15.0 S5.2.2, TS25.306 V5.15.0 S5.2.3, TS25.306 V5.15.0 table 5.2.2.2, TS25.306 V5.15.0 table 5.2.3.1, TS25.308 V5.7.0 figure 9.1-1, TS25.308 V5.7.0 S9.1
<b>318</b> T	NTT DoCoMo	EP 1691513	DE, FI, FR, GB, IT, NL, SE, TR	14/02/2026	Transmission Rate Control Method, and Mobile Station.	1, 2	TS25.309 V6.6.0 S10, TS25.309 V6.6.0 S3.1, TS25.309 V6.6.0 S9.1, TS25.331 V6.22.0 B.3.1.5, TS25.331 V6.22.0 S10.2.8, TS25.331 V6.22.0 S10.3.5.1b, TS25.331 V6.22.0 S10.3.5.2, TS25.331 V6.22.0 S8.6.5.18
<b>319</b> BS, T	NTT DoCoMo	EP 1914945	DE, FI, FR, GB, IT, NL, SE, TR	02/02/2026	Mobile Communication System, Radio Base Station, Mobile Station, and Mobile Communication Method.	2, 3, 4	TS25.211 V6.9.0 Figure 26B, TS25.211 V6.9.0 Figure 26C, TS25.211 V6.9.0 Figure 29, TS25.211 V6.9.0 Figure 35, TS25.211 V6.9.0 Figure 39, TS25.211 V6.9.0 S3.2, TS25.211 V6.9.0 S4.1.2.7, TS25.211 V6.9.0 S5.3.3.13, TS25.211 V6.9.0 S5.3.3.14, TS25.211 V6.9.0 S7.1, TS25.211 V6.9.0 S7.12, TS25.211 V6.9.0 S7.8, TS25.321 V6.18.0 Figure 4.2.3.1, TS25.321 V6.18.0 S4.2.3, TS25.321 V6.18.0 S9.2.5.2.2
<b>320</b> BS, RNC, T	NEC	KR 446320		29/06/2021	Transmission power balance adjustment system and method for cellular communication systems	46, 48	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S5.1, TS25.402 V3.10.0 S5, TS25.433 V3.14.2 Fig. 37, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.51, TS25.433 V3.14.2 S9.2.2.B
<b>321</b> BS, RNC, T	NEC	US 7565164		25/06/2021	Apparatus and method for transmission power balance adjustment in a mobile cellular system	1, 7	TS23.002 V3.6.0 Fig. 1, TS23.002 V3.6.0 S5.1, TS25.402 V3.10.0 S5, TS25.433 V3.14.2 Fig. 37, TS25.433 V3.14.2 S8.3.7, TS25.433 V3.14.2 S8.3.7.2, TS25.433 V3.14.2 S9.1.51, TS25.433 V3.14.2 S9.2.2

\* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network

<u>Patent Family#</u> Product Categories*	<u>Patent Rights Holder(s)</u>	<u>Patent Number</u>	Designated Contracting States (EP only)	<u>Expiry Date of Patent or Licensing Right</u>	<u>Title</u>	<u>Essential Claims</u>	<u>3GPP Standard Sections</u>
<b>322</b> T	NTT DoCoMo	EP 1720302	DE, FI, FR, GB, IT, NL, SE, TR	02/05/2026	Transmission Rate Control Method and Mobile Station.	1, 2	TS25.309 V6.6.0 S9.1, TS25.321 V6.18.0 S11.8.1.1.1, TS25.321 V6.18.0 S11.8.1.3.1, TS25.321 V6.18.0 S11.8.1.4, TS25.321 V6.18.0 S3.1.2, TS25.321 V6.18.0 S9.2.5.2.1, TS25.321 V6.18.0 S9.2.5.2.2
<b>323</b> RNC, T	NTT DoCoMo	EP 1708534	DE, FI, FR, GB, IT, NL, SE, TR	29/03/2026	Transmission rate control method, mobile station, and radio base station.	1, 3	TS25.213 V6.5.0 S4.2.1.1, TS25.213 V6.5.0 S4.2.1.3, TS25.309 V6.6.0 S9.1, TS25.321 V6.18.0 Annex B, TS25.321 V6.18.0 S11.8.1.4, TS25.321 V6.18.0 S3.1.2, TS25.321 V6.18.0 S9.2.5.2.2, TS25.331 V6.22.0 S10.2.33, TS25.331 V6.22.0 S10.3.6.97, TS25.331 V6.22.0 S10.3.6.99
<b>324</b> RNC, T	NTT DoCoMo	EP 1755290	DE, FI, FR, GB, IT, NL, SE, TR	18/08/2026	Transmission rate control method, mobile station, radio base station, and radio network controller.	1, 3, 5	TS25.211 V6.9.0 S5.3.2.4, TS25.309 V6.6.0 S9.1, TS25.321 V6.18.0 S9.2.5.2.1, TS25.321 V6.18.0 S9.2.5.2.2, TS25.331 V6.22.0 S10.2.33, TS25.331 V6.22.0 S10.3.6.100, TS25.331 V6.22.0 S10.3.6.101, TS25.331 V6.22.0 S10.3.6.102, TS25.331 V6.22.0 S10.3.6.27, TS25.331 V6.22.0 S8.6.6.4
<b>325</b> BS, RNC, T	NTT DoCoMo	EP 1760962	DE, FI, FR, GB, IT, NL, SE, TR	30/08/2026	Transmission control method, mobile station, radio base station, and radio network controller.	1, 2, 3, 4	TS25.309 V6.6.0 S10, TS25.309 V6.6.0 S9.1, TS25.309 V6.6.0 S9.3.1.1.3, TS25.321 V6.18.0 S11.8.1.1.1, TS25.321 V6.18.0 S3.1.2, TS25.331 V6.22.0 Figure 8.3.1-1, TS25.331 V6.22.0 S10.2.8, TS25.331 V6.22.0 S10.3.5.1b, TS25.331 V6.22.0 S10.3.5.2, TS25.331 V6.22.0 S10.3.6.97, TS25.331 V6.22.0 S8.3.1, TS25.331 V6.22.0 S8.6.5.18, TS25.433 V6.17.0 Figure 24, TS25.433 V6.17.0 S8.2.17.2

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<b>326</b>							
BS, RNC, T	NTT DoCoMo	JP 3795743		17/11/2020	Data Transmission Method, Data Transmission System, Transmitter and Receiver.	1, 10, 12	TS25.212 V5.10.0 Figure 2, TS25.212 V5.10.0 S4.2, TS25.212 V5.10.0 S4.2.1.1, TS25.212 V5.10.0 S4.2.1.2, TS25.212 V5.10.0 S4.2.6, TS25.212 V5.10.0 S4.2.9, TS25.212 V5.10.0 S4.2.9.1, TS25.212 V5.10.0 S4.3, TS25.212 V5.10.0 S4.3.1a, TS25.301 V5.6.0 S5.2.2, TS25.302 V5.9.0 Figure 6, TS25.302 V5.9.0 S5.1, TS25.302 V5.9.0 S5.2, TS25.302 V5.9.0 S5.3, TS25.302 V5.9.0 S7.1.1, TS25.302 V5.9.0 S7.1.2, TS25.302 V5.9.0 S7.1.5, TS25.322 V5.13.0 S10.4, TS25.427 V5.5.0 S5.1.2

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