

W-CDMA Essential Patents for W-CDMA Radio Network Controller 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, 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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2							
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
BS, RNC, T	NTT DoCoMo	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
3							
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
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4							
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
5							
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
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6							
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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7							
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
8							
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

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9							
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
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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
10 CN, RNC	NTT DoCoMo	JP 2942162		05/01/2015	Method for Mobile Packet Communication	1	TS23.060 V5.0.0, TS23.221 V5.2.0, TS25.323 V5.0.0

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

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11							
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
12							
BS, CN, RNC, T	Siemens	US 4843612		27/06/2006 (Expired)	Method for jam-resistant communication transmission	1	TS26.093 V4.0.0
13							
BS, RNC	Siemens	EP 868 823 B1	ES, FR, GB, IT	02/12/2016	Information transmission system for universal transmission network has selected combination points for each 2 redundant transmission paths used as conversion points for conversion between mobile radio network and stationary network codings	1	TS25.303 V5.1.0 S6.4.8.3, TS25.331 V5.7.1 S14.12.2, TS25.401 V5.7.0 S7.2.3.2, TS25.420 V5.1.0 S4.5.1.3, TS25.420 V5.1.0 S4.5.1.4, TS25.420 V5.1.0 S5.2.2
14							
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
15							
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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16							
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
17							
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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18							
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
19							
BS, RNC	NTT DoCoMo	JP 3003839		25/10/2014	CDMA communication method and apparatus	1, 10	TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S5.3, TS25.212 V3.11.0 Fig. 2, 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 V3.8.0 Fig. 11, TS25.213 V3.8.0 Fig. 8, TS25.213 V3.8.0 S5.1, TS25.213 V3.8.0 S5.3.2
20							
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
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21							
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
22							
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
23							
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
24							
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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25							
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
26							
BS, RNC	NEC	GB 2353439		20/08/2019	Power control for mobile communications	1, 8, 9	TS23.002 V3.6.0 S3, TS25.214 V3.12.0 S5, TS25.433 V3.14.0 S8, TS25.433 V3.14.0 S9
27							
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
28							
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

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29							
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
BS, RNC	NTT DoCoMo	US 6977903		25/12/2017	Frame synchronization circuit	1, 30	TS25.402 V3.10.0 S4, TS25.402 V3.10.0 S4.4, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S6, TS25.402 V3.10.0 S6.1, TS25.402 V3.10.0 S6.1.1, TS25.402 V3.10.0 S7, TS25.402 V3.10.0 S7.1, TS25.427 V3.11.0 S5, TS25.427 V3.11.0 S5.1, TS25.427 V3.11.0 S5.1.2, TS25.427 V3.11.0 S6, TS25.427 V3.11.0 S6.2, TS25.427 V3.11.0 S6.2.3
BS, RNC	NTT DoCoMo	EP 0896442	DE, FR, GB, IT, SE	25/12/2017	Frame transmitter-receiver	1, 8, 15, 23	TS25.402 V3.10.0 Figure 3, TS25.402 V3.10.0 Figure 9, TS25.402 V3.10.0 S4.4, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S6.1.1, TS25.402 V3.10.0 S7.1, TS25.427 V3.11.0 Figure 12, TS25.427 V3.11.0 S6.2.3
30							
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
31							
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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32 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
33 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
34 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
35 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
36 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
37 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

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

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38							
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
39							
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
40							
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
41							
BS, RNC	NTT DoCoMo	JP 3159301		02/05/2016	Method for transmitting data signals	2, 3	TS25.211 V5.0.0 S5, TS25.211 V5.0.0 S5.3, TS25.211 V5.0.0 S5.3.2, TS25.211 V5.0.0 S5.3.3, TS25.211 V5.0.0 S5.3.3.2, TS25.212 V5.0.0 S4, TS25.212 V5.0.0 S4.2, TS25.212 V5.0.0 S4.2.12, TS25.212 V5.0.0 S4.2.9, TS25.212 V5.0.0 S4.2.9.2
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42							
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
43							
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
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44							
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
45							
BS, RNC	NTT DoCoMo	JP 3385200		24/12/2017	METHOD OF TRANSMITTING SIGNALS AND METHOD OF ACQUISITION FOR SPREADING CODE IN MOBILE COMMUNICATIONS SYSTEM	27	TS25.201 V3.4.0 S4, TS25.201 V3.4.0 S4.2, 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, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3, TS25.211 V3.12.0 S5.3.3.3, TS25.211 V3.12.0 S5.3.3.5, TS25.211 V3.12.0 S5.3.3.5 Fig. 15, TS25.211 V3.12.0 S5.3.3.5, TS25.211 V3.12.0 S5.3.3.5 Fig. 18, TS25.213 V3.9.0 S4, TS25.213 V3.9.0 S4.1, TS25.213 V3.9.0 S4.3.1 Fig. 4, TS25.213 V3.9.0 S5, TS25.213 V3.9.0 S5 Fig. 8, TS25.213 V3.9.0 S5.1, TS25.213 V3.9.0 S5.2, TS25.213 V3.9.0 S5.2.1, TS25.213 V3.9.0 S5.2.2, TS25.213 V3.9.0 S5.2.3, TS25.213 V3.9.0 S5.2.3.1
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46							
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
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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48							
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
49							
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
50							
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
51							
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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52							
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
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

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53							
BS, RNC	NTT DoCoMo	JP 3457335		27/05/2019	ERROR PROTECTION METHOD AND ERROR PROTECTION DEVICE	1, 4	TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 9, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.2.8, TS25.212 V3.11.0 S4.3.2, TS25.212 V3.11.0 S4.3.3, TS25.302 V3.16.0 S7.1, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.11, TS25.302 V3.16.0 S7.1.2, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.8, TS25.303 V3.12.0 Fig. 5, TS25.303 V3.12.0 S5.3.1, TS25.303 V3.12.0 S6.2.1.1.1, TS25.331 V3.20.0 S10.2.33, 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, TS25.415 V3.12.0 S3.1, TS34.108 V5.2.0 S6.10.2.4.1.2.2.1.1, TS34.108 V5.2.0 S6.10.2.4.1.38b.2.1.1, TS34.108 V5.2.0 S6.10.2.4.1.38b.2.1.2, TS34.108 V5.2.0 S6.10.2.4.1.4.2.1.1
BS, RNC	NTT DoCoMo	US 6434718		27/05/2019	Error Protection Method And Error Protection Device	1, 7	TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.3.3, TS25.302 V3.16.0 S7.1, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.11, TS25.302 V3.16.0 S7.1.2, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.8, TS25.303 V3.12.0 S5.3.1, TS25.303 V3.12.0 S6.2.1.1.1, TS25.331 V3.20.0 S10.2.33, 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, TS25.415 V3.12.0 S3.1, TS34.108 V5.2.0 S6.10.2.4.1.2.2.1.1, TS34.108 V5.2.0 S6.10.2.4.1.38b.2.1.1, TS34.108 V5.2.0 S6.10.2.4.1.38b.2.1.2, TS34.108 V5.2.0 S6.10.2.4.1.4.2.1.1
BS, RNC	NTT DoCoMo	AU 756985		27/05/2019	Error Protection Method and Error Protection Device	1	TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.11, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.5, TS25.212 V3.11.0 S4.3.3, TS25.302 V3.16.0 S7.1, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.11, TS25.302 V3.16.0 S7.1.2, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.8, TS25.415 V3.12.0 S3.1, TS34.108 V5.5.0 S6.10.2.4.1.38b.2.1.1, TS34.108 V5.5.0 S6.10.2.4.1.4.2.1.1
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BS, RNC	NTT DoCoMo	SG 69837		27/05/2019	Error Protection Method and Error Protection Device	1	TS25.211 V3.12.0 Figure 9, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 9, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2.1, TS25.212 V3.11.0 S4.2.3, TS25.212 V3.11.0 S4.2.7, TS25.212 V3.11.0 S4.3.3, TS25.302 V3.16.0 S7.1, TS25.302 V3.16.0 S7.1.1, TS25.302 V3.16.0 S7.1.11, TS25.302 V3.16.0 S7.1.2, TS25.302 V3.16.0 S7.1.6, TS25.302 V3.16.0 S7.1.8, TS25.415 V3.12.0 S3.1, TS34.108 V5.5.0 S6.10.2.4.1.38b.2.1.1, TS34.108 V5.5.0 S6.10.2.4.1.4.2.1.1
54							
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
55							
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
56							
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
57							
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
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58							
BS, RNC	NTT DoCoMo	JP 3441922		12/06/2017	Method and Apparatus for Signal Transmission in CDMA Mobile Communication System	1, 13	TS25.201 V5.0.0 S4.2.1, TS25.201 V5.0.0 S5.3, TS25.211 V5.0.0 S5.3.2, TS25.212 V5.0.0 Fig. 2, TS25.212 V5.0.0 S4.2, TS25.212 V5.0.0 S4.2.1.1, TS25.212 V5.0.0 S4.2.12, TS25.212 V5.0.0 S4.2.12.2, TS25.212 V5.0.0 S4.2.9, TS25.212 V5.0.0 S4.2.9.1, TS25.212 V5.0.0 S4.2.9.2, TS25.213 V5.0.0 S5.3.2, TS25.214 V5.0.0 S4.3.1.2
BS, RNC	NTT DoCoMo	US 6026279		12/06/2017	Method and apparatus for signal transmission in CDMA mobile communication system	1, 13	TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S5.3, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.12, 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, TS25.214 V3.12.0 S4.3.1.2
BS, RNC	NTT DoCoMo	EP 0813317	DE, FR, GB, IT, SE	12/06/2017	Method and apparatus for signal transmission in CDMA mobile communication system	1, 13	TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S5.3, 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. 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.12, 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 S5.3.2, TS25.214 V3.12.0 S4.3.1.2
59							
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
60							
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
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61							
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
62							
BS, RNC	NTT DoCoMo	JP 3224346		24/07/2016	Radio Channel Configuration Method in CDMA Mobile communication System	1	TS25.201 V3.4.0 S4.2.1, TS25.301 V3.11.0 S5.3.1.1.1, TS25.301 V3.11.0 S5.3.1.1.2.2, TS25.301 V3.11.0 S5.3.5.14, TS25.301 V3.11.0 S5.3.5.17, TS34.108 V3.11.0 S6.10.2.2, TS34.108 V5.5.0 S6.10.2.1, TS34.108 V5.5.0 S6.10.2.4.1.4.2.1.3
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63							
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
64							
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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<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>
65							
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
66							
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
67							
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

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

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68							
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
69							
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
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70							
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
71							
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
72							
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
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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73							
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
74							
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
75							
BS, CN, RNC, T	Mitsubishi	EP 1420534	DE, FR, GB	10/03/2019	A method and apparatus for assigning codes *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	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 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
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76							
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
77							
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
78							
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
79							
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
80							
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
81							
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
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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82							
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
83							
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, 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
84							
BS, RNC	NTT DoCoMo	EP 1357689	DE, FR, GB, IT, SE	23/02/2016	Variable rate transmission method and transmitter using the same	1, 4	TS25.211 V3.12.0 Figure 10, TS25.211 V3.12.0 S5.3.2, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.2, TS25.212 V3.11.0 S4.2.1.1, TS25.212 V3.11.0 S4.2.10, TS25.212 V3.11.0 S4.2.2, TS25.212 V3.11.0 S4.2.2.1, TS25.213 V3.9.0 Figure 8, TS25.213 V3.9.0 S5.1
85							
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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86 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
87 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
88 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

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89							
BS, RNC, T	NTT DoCoMo	EP 1100204	DE, FR, GB, IT	09/05/2020	Multiplexing Method and Multiplexing Device, and Data Signal Transmission Method and Data Signal Transmission Device	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	Multiplexing Method and Multiplexing device and data signal transmission method and data signal transmission device	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	Interleaving Method and Transmission Device	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, RNC, T	NTT DoCoMo	CA 2336820		09/05/2020	Data Multiplexing Method and Data Multiplexer, and Data Transmitting Method and Data Transmitter	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
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
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90							
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
91							
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
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92							
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
93							
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
94							
BS, RNC	NTT DoCoMo	US 7095780		17/04/2018	Base Station Apparatus of Mobile Communication System	1, 3	TS25.211 V3.12.0 Fig. 15, TS25.211 V3.12.0 Fig. 9, TS25.211 V3.12.0 Figure 17, TS25.211 V3.12.0 S5.3.2, TS25.211 V3.12.0 S5.3.3.3, TS25.211 V3.12.0 S5.3.3.4, TS25.211 V3.12.0 S7.1, TS25.212 V3.11.0 Fig. 2, TS25.212 V3.11.0 S4.1, TS25.212 V3.11.0 S4.2, 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 S5.2.2, TS25.401 V3.10.0 S3.1, TS25.402 V3.10.0 S5, TS25.402 V3.10.0 S8.2.1
95							
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
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96 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

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97							
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

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BS, RNC, T	Mitsubishi	EP 1677447	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 S9.2.2.14A
98							
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
99							
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

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100							
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
101							
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
102							
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
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103							
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
104							
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
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105							
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
106							
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
107							
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
108							
BS, RNC	NTT DoCoMo	JP 3214860		04/03/2017	Signal transmitting method, transmitter, receiver, and spread-spectrum code synchronizing method for mobile communication system	1	TS25.201 V3.4.0 S4, TS25.211 V3.12.0 S5, TS25.213 V3.8.0 S4, TS25.213 V3.8.0 S5
BS, RNC	NTT DoCoMo	US 6167037		04/03/2017	SIGNAL TRANSMITTING METHOD, TRANSMITTER, RECEIVER, AND SPREAD-SPECTRUM CODE SYNCHRONIZING METHOD FOR MOBILE COMMUNICATION SYSTEM	1	TS25.201 V3.4.0 S4.2.1, TS25.201 V3.4.0 S4.2.3, 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. 4, TS25.213 V3.8.0 Fig. 8, TS25.213 V3.8.0 Fig. 9, TS25.213 V3.8.0 S4.1, TS25.213 V3.8.0 S4.3.1.1, TS25.213 V3.8.0 S5.1, TS25.213 V3.8.0 S5.2.1, TS25.213 V3.8.0 S5.2.2
* Product Categories: T=Terminals, BS=Base Station, RNC=Radio Network Controller, CN=Core Network							
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109							
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
110							
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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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
112 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
113 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
114 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
115 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
116 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

* 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>
117							
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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