

[DRAFT] Via Licensing Representative Wireless Standard Essential Patents (SEP)

Provided below is a list of wireless SEPs from the licensors participating in Via's wireless program(s). Please refer to the terms and conditions in Via's patent licensing agreement(s) for further details; you may request a license for the appropriate program covering the desired standards by contacting Via at submissions@vialicensing.com

List of Licensed Patents:

Patent Holder(s)	Country	Patent Number	Representative Technologies
Alfred Consulting	US	10129807	5G; LTE
Alfred Consulting	US	10609616	5G; LTE
Alfred Consulting	US	10834656	5G; LTE
Alfred Consulting	US	10841856	5G; LTE
AT&T	US	7151740	LTE
AT&T	US	7629882	LTE
AT&T	US	7787600	LTE
AT&T	US	8509158	LTE
AT&T	US	8805382	LTE
AT&T	US	8855625	LTE
AT&T	US	8897285	LTE
AT&T	US	9231741	LTE
AT&T	US	9615288	LTE
AT&T	US	9843913	LTE
AT&T	US	9877231	LTE
China Mobile	CN	ZL200710175463.1	LTE
China Mobile	CN	ZL200710176503.4	LTE
China Mobile	CN	ZL200710176788.1	LTE
China Mobile	CN	ZL200810105422.X	LTE
China Mobile	CN	ZL200810223287.9	LTE
China Mobile	CN	ZL200910169967.1	LTE
China Mobile	CN	ZL200910236470.7	LTE
China Mobile	CN	ZL201010107276.1	LTE
China Mobile	CN	ZL201010195421.6	LTE
China Mobile	CN	ZL201010232079.2	LTE
China Mobile	CN	ZL201010258743.0	LTE
China Mobile	CN	ZL201010274405.6	LTE
China Mobile	CN	ZL201010623975.1	LTE
China Mobile	CN	ZL201110096592.8	LTE
China Mobile	CN	ZL201110142872.8	LTE
China Mobile	CN	ZL201110347916.0	LTE
China Mobile	CN	ZL201210076861.9	LTE
China Mobile	CN	ZL201210256730.9	LTE
China Mobile	CN	ZL201210345753.7	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
China Mobile	CN	ZL201310634860.6	LTE
China Mobile	CN	ZL201410488501.9	LTE
China Mobile	CN	ZL201510184679.9	LTE
China Mobile	CN	ZL201510512476.8	LTE
China Mobile	CN	ZL201610319419.2	LTE
China Mobile	EP DE;FR;NL	2330841	LTE
China Mobile	EP DE;FR;GB	2466977	LTE
China Mobile	EP DE;FR;NL	2490495	LTE
China Mobile	EP DE;FR;GB	2533589	LTE
China Mobile	EP DE;FR;GB	2717640	LTE
China Mobile	EP DE;FR;GB	2830384	LTE
China Mobile	EP DE;FR;GB	3197202	LTE
China Mobile	IN	295941	LTE
China Mobile	IN	331283	LTE
China Mobile	JP	5420082	LTE
China Mobile	JP	5421377	LTE
China Mobile	JP	5553902	LTE
China Mobile	JP	5651638	LTE
China Mobile	JP	5686804	LTE
China Mobile	JP	6396585	LTE
China Mobile	KR	101203107	LTE
China Mobile	KR	101358097	LTE
China Mobile	KR	101467374	LTE
China Mobile	KR	101530138	LTE
China Mobile	RU	2552178	LTE
China Mobile	US	8730973	LTE
China Mobile	US	8804744	LTE
China Mobile	US	8811239	LTE
China Mobile	US	8824426	LTE
China Mobile	US	8934431	LTE
China Mobile	US	8948194	LTE
China Mobile	US	9451602	LTE
China Mobile	US	10129007	LTE
China Mobile	US	10536935	LTE
China Mobile	US	10715280	LTE
China Mobile	US	10715293	LTE
Conversant Wireless	CN	ZL200380102135.9	LTE
Conversant Wireless	CN	ZL200580035945.6	LTE
Conversant Wireless	CN	ZL200680014086.7	LTE
Conversant Wireless	EP DE	1360819	LTE
Conversant Wireless	EP DE	1493252	LTE
Conversant Wireless	EP DE;GB	1642473	LTE
Conversant Wireless	EP BE;DE;DK;ES;FI;FR;GB;IT;NL;PL;SE;TR	1878177	LTE
Conversant Wireless	EP DE;FR;GB;IT;NL	3267722	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Conversant Wireless	HK	1070768	LTE
Conversant Wireless	JP	4634504	LTE
Conversant Wireless	JP	4842252	LTE
Conversant Wireless	KR	101035889	LTE
Conversant Wireless	MX	260168	LTE
Conversant Wireless	MX	263361	LTE
Conversant Wireless	MX	272155	LTE
Conversant Wireless	MX	272568	LTE
Conversant Wireless	US	7035234	LTE
Conversant Wireless	US	7599294	LTE
Conversant Wireless	US	7606205	LTE
Conversant Wireless	US	7643456	LTE
Conversant Wireless	US	7653734	LTE
Conversant Wireless	US	7684357	LTE
Conversant Wireless	US	7782818	LTE
Conversant Wireless	US	8150989	LTE
Conversant Wireless	US	8300593	LTE
Conversant Wireless	US	9253797	LTE
Conversant Wireless	US	9763231	LTE
Conversant Wireless	US	9801096	LTE
Coranci	US	8811252	LTE
Deutsche Telekom	CA	2615730	LTE
Deutsche Telekom	CA	2663190	LTE
Deutsche Telekom	CN	ZL200680030475.9	LTE
Deutsche Telekom	CN	ZL200780026315.1	LTE
Deutsche Telekom	CN	ZL201480025803.0	5G; LTE
Deutsche Telekom	CN	ZL201580024007.X	5G; LTE
Deutsche Telekom	CN	ZL201780003994.4	LTE
Deutsche Telekom	EP	AT;BE;BG;CH;CZ;DE;ES;FI;FR;GB;GR;HU;I E;IT;NL;PL;RO;SE;SI;SK;TR	LTE
Deutsche Telekom	EP	AT;BE;BG;CH;CZ;DE;DK;ES;FI;FR;GB;GR;H U;IE;IT;LT;LV;NL;PL;PT;RO;SE;SK;TR	LTE
Deutsche Telekom	EP	AL;AT;BA;BE;BG;CH;CZ;DE;DK;EE;ES;FI;F R;GB;GR;HR;HU;IE;IS;IT;LT;LV;MK;NL;PL;P T;RO;RS;SE;SI;SK;TR	LTE
Deutsche Telekom	EP	AT;CZ;DE;ES;FR;GB;GR;HU;IT;NL;PL;RO;S K;TR	LTE
Deutsche Telekom	EP	AT;BE;BG;CH;CZ;DE;DK;ES;FI;FR;GB;GR;H U;IE;IT;NL;PL;PT;RO;SE;SI;SK;TR	LTE
Deutsche Telekom	EP	AT;CZ;DE;ES;FR;GB;GR;HR;HU;IT;NL;PL;R O;SK;TR	LTE
Deutsche Telekom	EP	AT;BE;BG;CH;CZ;DE;ES;FR;GB;GR;HU;IT;N L;PL;PT;RO;SE;TR	LTE
Deutsche Telekom	EP	AT;BE;BG;CH;CZ;DE;DK;ES;FI;FR;GB;GR;H R;HU;IE;IT;LT;LV;NL;NO;PL;PT;RO;RS;SE;S I;SK;TR	5G; LTE
Deutsche Telekom	EP	AT;BE;BG;CH;CZ;DE;DK;ES;FI;FR;GB;GR;H R;HU;IE;IT;LT;LV;NL;NO;PL;PT;RO;RS;SE;S I;SK;TR	5G; LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Deutsche Telekom	EP AT;BE;BG;CH;CZ;DE;DK;ES;FI;FR;GB;GR;HR;HU;IE;IT;LT;LV;NL;NO;PL;PT;RO;RS;SE;SK;TR	3209067	LTE
Deutsche Telekom	EP AT;BE;BG;CH;CZ;DE;DK;ES;FI;FR;GB;GR;HR;HU;IE;IT;LT;LV;NL;NO;PL;PT;RO;RS;SE;SI;SK;TR	3398378	5G
Deutsche Telekom	EP AT;BE;BG;CH;CZ;DE;DK;ES;FI;FR;GB;GR;HR;HU;IE;IT;LT;LV;NL;NO;PL;PT;RO;RS;SE;SI;SK;TR	3474603	5G
Deutsche Telekom	IN	286821	LTE
Deutsche Telekom	JP	4988733	LTE
Deutsche Telekom	KR	101145309	LTE
Deutsche Telekom	US	7796994	LTE
Deutsche Telekom	US	8855634	LTE
Deutsche Telekom	US	9386513	LTE
Deutsche Telekom	US	9462541	LTE
Deutsche Telekom	US	9985757	LTE
Deutsche Telekom	US	10237774	LTE
Deutsche Telekom	US	10531271	5G; LTE
Deutsche Telekom	US	10932189	LTE
Deutsche Telekom	US	11006336	5G; LTE
Dolby	CA	2715986	LTE
Dolby	EP AT;BE;BG;CH;CY;CZ;DE;DK;EE;ES;FI;FR;GB;GR;HR;HU;IE;IS;IT;LI;LT;LU;LV;MC;MK;MT;NL;NO;PL;PT;RO;SE;SI;SK;TR	2255464	LTE
Dolby	JP	5180325	LTE
Dolby	KR	101163275	LTE
Dolby	US	7596385	LTE
Dolby	US	7978616	LTE
Dolby	US	8355331	LTE
Fraunhofer	BR	PI0822167-7	LTE
Fraunhofer	CA	2722204	LTE
Fraunhofer	CN	ZL201280063481.X	LTE
Fraunhofer	CN	ZL201480052800.6	LTE
Fraunhofer	CN	ZL201780022056.9	LTE
Fraunhofer	EP DE;ES;FR;GB;IT	2242187	LTE
Fraunhofer	EP DE;FR;GB	2769578	LTE
Fraunhofer	EP DE;ES;FR;GB;IT	3497869	LTE
Fraunhofer	EP CZ;DE;EE;ES;FR;GB;HU;IE;IT;NL;PL;PT;SE;SK;TR	3653003	LTE
Fraunhofer	IN	306325	LTE
Fraunhofer	IN	348826	LTE
Fraunhofer	JP	5238069	LTE
Fraunhofer	JP	5908984	LTE
Fraunhofer	JP	6254631	LTE
Fraunhofer	JP	6533275	LTE
Fraunhofer	JP	6574761	LTE
Fraunhofer	JP	6766157	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Fraunhofer	JP	6808813	LTE
Fraunhofer	JP	6810255	LTE
Fraunhofer	JP	6900574	LTE
Fraunhofer	KR	101204134	LTE
Fraunhofer	KR	101618483	LTE
Fraunhofer	KR	101824487	LTE
Fraunhofer	RU	2713403	LTE
Fraunhofer	RU	2722437	LTE
Fraunhofer	RU	2735635	LTE
Fraunhofer	RU	2745274	LTE
Fraunhofer	TW	I463875	LTE
Fraunhofer	TW	I662823	LTE
Fraunhofer	TW	I683561	LTE
Fraunhofer	US	9775163	LTE
Fraunhofer	US	10237747	LTE
Fraunhofer	US	10841943	LTE
Fraunhofer	US	10945269	LTE
Fujitsu	AU	2006349721	WCDMA
Fujitsu	AU	2006350677	WCDMA
Fujitsu	AU	2011202616	WCDMA
Fujitsu	AU	2011202618	WCDMA
Fujitsu	AU	2011250817	WCDMA
Fujitsu	AU	2011250819	WCDMA
Fujitsu	AU	2011250830	WCDMA
Fujitsu	AU	2012201678	WCDMA
Fujitsu	AU	2012201683	WCDMA
Fujitsu	AU	2012201685	WCDMA
Fujitsu	AU	2012201814	WCDMA
Fujitsu	AU	2012202258	WCDMA
Fujitsu	AU	2012211425	WCDMA
Fujitsu	AU	2014202774	WCDMA
Fujitsu	AU	2014204545	WCDMA
Fujitsu	AU	2015243028	WCDMA
Fujitsu	CA	2667159	WCDMA
Fujitsu	CA	2787127	WCDMA
Fujitsu	CA	2862789	WCDMA
Fujitsu	CN	ZL02829326.6	WCDMA
Fujitsu	CN	ZL200480044771.5	WCDMA
Fujitsu	CN	ZL200580051722.9	WCDMA
Fujitsu	CN	ZL200680056206.X	WCDMA
Fujitsu	CN	ZL200910139204.2	WCDMA
Fujitsu	CN	ZL201010507997.1	WCDMA
Fujitsu	CN	ZL201110184695.X	WCDMA
Fujitsu	CN	ZL201110185617.1	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Fujitsu	CN	ZL201210001093.0	WCDMA
Fujitsu	CN	ZL201210363651.8	WCDMA
Fujitsu	CN	ZL201210363655.6	WCDMA
Fujitsu	CN	ZL201210363686.1	WCDMA
Fujitsu	CN	ZL201210363689.5	WCDMA
Fujitsu	CN	ZL201210363690.8	WCDMA
Fujitsu	CN	ZL201210363816.1	WCDMA
Fujitsu	CN	ZL201210363832.0	WCDMA
Fujitsu	CN	ZL201210363842.4	WCDMA
Fujitsu	CN	ZI201210363844.3	WCDMA
Fujitsu	EP DE;FR;GB;IT	1931096	WCDMA
Fujitsu	EP DE;FR;GB	1965600	WCDMA
Fujitsu	EP AT;BE;BG;CH;CY;CZ;DE;DK;EE;ES;FI;FR;GB;GR;HU;IE;IS;IT;LI;LT;LU;LV;MC;NL;PL;PT;RO;SE;SI;SK;TR	2081395	WCDMA
Fujitsu	EP DE;FR;GB;IT	2214325	WCDMA
Fujitsu	EP DE;FR;GB	2317782	WCDMA
Fujitsu	EP DE;FR;GB;IT	2495923	WCDMA
Fujitsu	EP DE;FR;GB;IT	2495924	WCDMA
Fujitsu	EP DE;FR;GB;IT	2667556	WCDMA
Fujitsu	EP DE;FR;GB;IT	2667559	WCDMA
Fujitsu	EP DE;FR;GB;IT	2667560	WCDMA
Fujitsu	HK	1168963	WCDMA
Fujitsu	HK	1175615	WCDMA
Fujitsu	HK	1175616	WCDMA
Fujitsu	HK	1175617	WCDMA
Fujitsu	HK	1175618	WCDMA
Fujitsu	HK	1175900	WCDMA
Fujitsu	HK	1176183	WCDMA
Fujitsu	HK	1176184	WCDMA
Fujitsu	HK	1180846	WCDMA
Fujitsu	HK	1180847	WCDMA
Fujitsu	HK	1180848	WCDMA
Fujitsu	HK	1180849	WCDMA
Fujitsu	ID	0043286	WCDMA
Fujitsu	IN	279463	WCDMA
Fujitsu	JP	4083168	WCDMA
Fujitsu	JP	4555866	WCDMA
Fujitsu	JP	4893747	WCDMA
Fujitsu	JP	5024415	WCDMA
Fujitsu	JP	5230577	WCDMA
Fujitsu	JP	5348218	WCDMA
Fujitsu	JP	5376006	WCDMA
Fujitsu	JP	5376007	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Fujitsu	JP	5700141	WCDMA
Fujitsu	KR	100691602	WCDMA
Fujitsu	KR	100959742	WCDMA
Fujitsu	KR	100972727	WCDMA
Fujitsu	KR	101268653	WCDMA
Fujitsu	KR	101269739	WCDMA
Fujitsu	KR	101274396	WCDMA
Fujitsu	KR	101323899	WCDMA
Fujitsu	MX	334656	WCDMA
Fujitsu	MX	341472	WCDMA
Fujitsu	RU	2425447	WCDMA
Fujitsu	RU	2427980	WCDMA
Fujitsu	RU	2496255	WCDMA
Fujitsu	RU	2522018	WCDMA
Fujitsu	RU	2522311	WCDMA
Fujitsu	RU	2545099	WCDMA
Fujitsu	RU	2556467	WCDMA
Fujitsu	RU	2562960	WCDMA
Fujitsu	RU	2572078	WCDMA
Fujitsu	RU	2572612	WCDMA
Fujitsu	RU	2583749	WCDMA
Fujitsu	RU	2583751	WCDMA
Fujitsu	RU	2583752	WCDMA
Fujitsu	RU	2584466	WCDMA
Fujitsu	RU	2584497	WCDMA
Fujitsu	RU	2584503	WCDMA
Fujitsu	RU	2619776	WCDMA
Fujitsu	RU	2623457	WCDMA
Fujitsu	US	7515563	WCDMA
Fujitsu	US	7660280	WCDMA
Fujitsu	US	8054794	WCDMA
Fujitsu	US	8054795	WCDMA
Fujitsu	US	8054797	WCDMA
Fujitsu	US	8059596	WCDMA
Fujitsu	US	8160005	WCDMA
Fujitsu	US	8184583	WCDMA
Fujitsu	US	8254341	WCDMA
Fujitsu	US	8374189	WCDMA
Fujitsu	US	8396156	WCDMA
Fujitsu	US	8433982	WCDMA
Fujitsu	US	8514772	WCDMA
Fujitsu	US	8526399	WCDMA
Fujitsu	US	8601336	WCDMA
Fujitsu	US	8670404	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Fujitsu	US	8737341	WCDMA
Fujitsu	US	8738980	WCDMA
Fujitsu	US	8806286	WCDMA
Fujitsu	US	8832514	WCDMA
Fujitsu	US	8861542	WCDMA
Fujitsu	US	8903011	WCDMA
Fujitsu	US	9019980	WCDMA
Fujitsu	US	9094201	WCDMA
Fujitsu	US	9112560	WCDMA
Fujitsu	US	9191089	WCDMA
Fujitsu	US	9301187	WCDMA
Fujitsu	US	9326128	WCDMA
Fujitsu	US	9549314	WCDMA
Google	US	7047006	LTE
Google	US	7065068	LTE
Google	US	7457588	LTE
Google	US	7599327	LTE
Google	US	7706249	LTE
Google	US	7848438	LTE
Google	US	7853857	LTE
Google	US	7890834	LTE
Google	US	7925956	LTE
Google	US	8031583	LTE
Google	US	8059555	LTE
Google	US	8059556	LTE
Google	US	8074150	LTE
Google	US	8102802	LTE
Google	US	8144712	LTE
Google	US	8249193	LTE
Google	US	8279811	LTE
Google	US	8300757	LTE
Google	US	8320360	LTE
Google	US	8327237	LTE
Google	US	8374268	LTE
Google	US	8380213	LTE
Google	US	8396047	LTE
Google	US	8457112	LTE
Google	US	8761278	LTE
Google	US	8850286	LTE
Google	US	9154282	LTE
HFI Innovations	CN	ZL200910150477.7	LTE
HFI Innovations	CN	ZL200980000316.8	LTE
HFI Innovations	CN	ZL200980000353.9	LTE
HFI Innovations	CN	ZL200980000532.2	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
HFI Innovations	CN	ZL201110085382.9	LTE
HFI Innovations	CN	ZL201180001110.4	LTE
HFI Innovations	CN	ZL201180001941.1	LTE
HFI Innovations	CN	ZL201180001949.8	LTE
HFI Innovations	CN	ZL201180002062.0	LTE
HFI Innovations	CN	ZL201180002268.3	LTE
HFI Innovations	CN	ZL201180004213.6	LTE
HFI Innovations	CN	ZL201180006543.9	LTE
HFI Innovations	CN	ZL201210417022.9	LTE
HFI Innovations	CN	ZL201280000521.6	LTE
HFI Innovations	CN	ZL201280000522.0	LTE
HFI Innovations	CN	ZL201280000808.9	LTE
HFI Innovations	CN	ZL201280001759.0	LTE
HFI Innovations	CN	ZL201310045443.8	LTE
HFI Innovations	CN	ZL201380000507.0	LTE
HFI Innovations	EP DE;ES;FR;GB;IT;NL	2274947	LTE
HFI Innovations	EP DE;ES;GB;IT;NL	2298025	LTE
HFI Innovations	EP DE;ES;FR;GB;IT;NL	2438789	LTE
HFI Innovations	EP DE;ES;FR;GB;IT;NL;SE	2520118	LTE
HFI Innovations	EP DE;ES;FR;GB;IT;NL;SE	2526711	LTE
HFI Innovations	EP DE;ES;FR;GB;IT;NL;SE	2596659	LTE
HFI Innovations	EP DE;ES;FR;GB;IT;NL;SE	2661921	LTE
HFI Innovations	IN	277504	LTE
HFI Innovations	IN	293358	LTE
HFI Innovations	JP	5642266	LTE
HFI Innovations	JP	5694548	LTE
HFI Innovations	JP	5873507	LTE
HFI Innovations	TW	I389589	LTE
HFI Innovations	TW	I420931	LTE
HFI Innovations	TW	I446813	LTE
HFI Innovations	TW	I448103	LTE
HFI Innovations	TW	I454108	LTE
HFI Innovations	TW	I459832	LTE
HFI Innovations	TW	I459839	LTE
HFI Innovations	TW	I461010	LTE
HFI Innovations	TW	I462622	LTE
HFI Innovations	TW	I465068	LTE
HFI Innovations	TW	I471036	LTE
HFI Innovations	TW	I472238	LTE
HFI Innovations	TW	I497958	LTE
HFI Innovations	TW	I508596	LTE
HFI Innovations	TW	I642320	LTE
HFI Innovations	US	8031668	LTE
HFI Innovations	US	8259601	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
HFI Innovations	US	8498249	LTE
HFI Innovations	US	8537767	LTE
HFI Innovations	US	8660107	LTE
HFI Innovations	US	8676208	LTE
HFI Innovations	US	8737299	LTE
HFI Innovations	US	8750926	LTE
HFI Innovations	US	8830856	LTE
HFI Innovations	US	8837394	LTE
HFI Innovations	US	8838046	LTE
HFI Innovations	US	8873489	LTE
HFI Innovations	US	8995989	LTE
HFI Innovations	US	9019931	LTE
HFI Innovations	US	9042315	LTE
HFI Innovations	US	9049698	LTE
HFI Innovations	US	9124395	LTE
HFI Innovations	US	9155105	LTE
HFI Innovations	US	9220072	LTE
HFI Innovations	US	9220103	LTE
HFI Innovations	US	9232443	LTE
HFI Innovations	US	9270433	LTE
HFI Innovations	US	9344234	LTE
HFI Innovations	US	9445409	LTE
HFI Innovations	US	9661678	LTE
HFI Innovations	US	9681436	LTE
HFI Innovations	US	9883526	LTE
HFI Innovations	US	9979522	LTE
HFI Innovations	US	10045376	LTE
HFI Innovations	US	10251052	LTE
HFI Innovations	US	10292182	LTE
HP	US	6950666	LTE
HPE	CN	ZL200410048980.9	LTE; WCDMA
HPE	US	7009952	LTE; WCDMA
HPE	US	7130615	LTE; WCDMA
Innovative Sonic	CN	ZL200710153219.5	WCDMA
Innovative Sonic	CN	ZL200710169428.9	WCDMA
Innovative Sonic	CN	ZL200710181603.6	WCDMA
Innovative Sonic	CN	ZL200710196249.4	WCDMA
Innovative Sonic	CN	ZL200810005591.6	LTE
Innovative Sonic	CN	ZL200810074048.1	WCDMA
Innovative Sonic	CN	ZL200810083143.8	WCDMA
Innovative Sonic	CN	ZL200810086621.0	LTE
Innovative Sonic	CN	ZL200810098715.X	LTE
Innovative Sonic	CN	ZL200810100208.5	WCDMA
Innovative Sonic	CN	ZL200810182397.5	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Innovative Sonic	CN	ZL200810184847.4	LTE
Innovative Sonic	CN	ZL200810184848.9	LTE
Innovative Sonic	CN	ZL200810185547.8	LTE
Innovative Sonic	CN	ZL200810190376.8	LTE
Innovative Sonic	CN	ZL200910001636.7	LTE
Innovative Sonic	CN	ZL200910001637.1	LTE
Innovative Sonic	CN	ZL200910118483.4	LTE
Innovative Sonic	CN	ZL200910129931.0	LTE
Innovative Sonic	CN	ZL200910134314.X	LTE
Innovative Sonic	CN	ZL200910134890.4	LTE
Innovative Sonic	CN	ZL200910145339.X	LTE
Innovative Sonic	CN	ZL200910168322.6	LTE
Innovative Sonic	CN	ZL200910203064.0	LTE
Innovative Sonic	CN	ZL200910203066.X	LTE
Innovative Sonic	CN	ZL200910204035.6	LTE
Innovative Sonic	CN	ZL200910207737.X	LTE
Innovative Sonic	CN	ZL200910266215.7	LTE
Innovative Sonic	CN	ZL201010297921.0	LTE
Innovative Sonic	CN	ZL201110433589.0	LTE
Innovative Sonic	CN	ZL201110433697.8	LTE
Innovative Sonic	CN	ZL201210096252.X	LTE
Innovative Sonic	CN	ZL201210139349.4	LTE
Innovative Sonic	CN	ZL201210165870.5	LTE
Innovative Sonic	CN	ZL201210507853.5	LTE
Innovative Sonic	CN	ZL201310413053.1	LTE
Innovative Sonic	CN	ZL201310722317.1	LTE
Innovative Sonic	CN	ZL201410044044.4	LTE
Innovative Sonic	EP DE;ES;FI;FR;GB;IT;NL;SE	1887734	WCDMA
Innovative Sonic	EP DE;FI;FR;GB;SE	1915022	WCDMA
Innovative Sonic	EP CZ;DE;ES;FI;FR;GB;IT;NL;PL;SE	1947891	WCDMA
Innovative Sonic	EP DE;ES;FI;FR;GB;IT;NL;SE	1973365	LTE
Innovative Sonic	EP DE;ES;FI;FR;GB;IT;NL;SE	1991024	WCDMA
Innovative Sonic	EP DE;FR;GB	2066062	LTE
Innovative Sonic	EP DE;FR;GB	2068484	LTE
Innovative Sonic	EP DE;FR;GB	2079181	LTE
Innovative Sonic	EP DE;FR;GB	2079264	LTE
Innovative Sonic	EP DE;FR;GB	2101531	LTE
Innovative Sonic	EP DE;FR;GB	2107709	LTE
Innovative Sonic	EP DE;FR;GB	2110985	LTE
Innovative Sonic	EP DE;ES;FI;FR;GB;IT;NL;SE	2124502	LTE
Innovative Sonic	EP DE;ES;FI;FR;GB;IT;NL;SE	2134132	LTE
Innovative Sonic	EP DE;ES;FI;FR;GB;IT;NL;SE	2139285	LTE
Innovative Sonic	EP DE;FR;GB	2159949	LTE
Innovative Sonic	EP DE;FR;GB	2169871	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Innovative Sonic	EP DE;FR;GB	2180749	LTE
Innovative Sonic	EP DE;ES;FI;FR;GB;IT;NL;SE	2211585	LTE
Innovative Sonic	EP DE;FR;GB;NL	2262337	LTE
Innovative Sonic	EP DE;FR;GB	2282437	LTE
Innovative Sonic	EP DE;FR;GB;NL	2426987	LTE
Innovative Sonic	EP DE;FR;GB;NL	2469916	LTE
Innovative Sonic	EP DE;FR;GB;NL	2521415	LTE
Innovative Sonic	EP DE;FR;GB;NL	2640155	LTE
Innovative Sonic	EP DE;FR;GB;IT;NL;PL;SE	2849486	LTE
Innovative Sonic	EP DE;FR;GB;NL	2931001	LTE
Innovative Sonic	JP	4800397	LTE
Innovative Sonic	JP	4850929	LTE
Innovative Sonic	JP	5057444	WCDMA
Innovative Sonic	JP	5383783	LTE
Innovative Sonic	KR	100769228	WCDMA
Innovative Sonic	KR	101035875	LTE
Innovative Sonic	TW	I373225	LTE
Innovative Sonic	TW	I387286	LTE
Innovative Sonic	TW	I388172	LTE
Innovative Sonic	TW	I392261	LTE
Innovative Sonic	TW	I394416	LTE
Innovative Sonic	TW	I399939	LTE
Innovative Sonic	TW	I452923	LTE
Innovative Sonic	TW	I513344	LTE
Innovative Sonic	US	7664059	LTE; WCDMA
Innovative Sonic	US	7733826	WCDMA
Innovative Sonic	US	8045518	WCDMA
Innovative Sonic	US	8060122	WCDMA
Innovative Sonic	US	8081619	LTE
Innovative Sonic	US	8127194	WCDMA
Innovative Sonic	US	8130723	WCDMA
Innovative Sonic	US	8160044	WCDMA
Innovative Sonic	US	8219119	WCDMA
Innovative Sonic	US	8271843	WCDMA
Innovative Sonic	US	8300566	WCDMA
Innovative Sonic	US	8428066	LTE
Innovative Sonic	US	8457033	LTE
Innovative Sonic	US	8520521	WCDMA
Innovative Sonic	US	8537786	WCDMA
Innovative Sonic	US	8554201	WCDMA
Innovative Sonic	US	8565128	LTE
Innovative Sonic	US	8570953	WCDMA
Innovative Sonic	US	8625558	LTE
Innovative Sonic	US	8665822	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Innovative Sonic	US	8665852	WCDMA
Innovative Sonic	US	8737282	LTE
Innovative Sonic	US	8804628	WCDMA
Innovative Sonic	US	8804633	LTE
Innovative Sonic	US	8837389	LTE
Innovative Sonic	US	9049618	LTE
Innovative Sonic	US	9119175	LTE
Innovative Sonic	US	9124558	LTE
Innovative Sonic	US	9173242	LTE
Innovative Sonic	US	9237489	LTE
Innovative Sonic	US	9246638	WCDMA
Innovative Sonic	US	9320077	LTE
Innovative Sonic	US	9331833	LTE
Innovative Sonic	US	9413498	LTE
Innovative Sonic	US	9560559	LTE
Innovative Sonic	US	9565511	LTE
Innovative Sonic	US	9603038	LTE
Innovative Sonic	US	9615361	LTE
Innovative Sonic	US	9655163	LTE
Innovative Sonic	US	9736722	LTE
Innovative Sonic	US	9736725	LTE
Innovative Sonic	US	9736883	LTE
Innovative Sonic	US	9769699	LTE
Innovative Sonic	US	9924533	LTE
Innovative Sonic	US	9967865	LTE
Innovative Sonic	US	9992693	LTE
Innovative Sonic	US	10004086	LTE
IP Bridge	AU	2008346019	LTE
IP Bridge	AU	2009243805	LTE
IP Bridge	AU	2013242861	LTE
IP Bridge	AU	2015204329	LTE
IP Bridge	BR	122019003667-5	LTE
IP Bridge	BR	122019024638-6	LTE
IP Bridge	BR	122019026256-0	LTE
IP Bridge	BR	122020002887-4	LTE
IP Bridge	BR	PI0512001-2	LTE
IP Bridge	BR	PI0614849-2	LTE
IP Bridge	BR	PI0713472-0	LTE
IP Bridge	BR	PI0713703-6	LTE
IP Bridge	BR	PI0809404-7	LTE
IP Bridge	BR	PI0813102-3	LTE
IP Bridge	BR	PI0815150-4	LTE
IP Bridge	BR	PI0815406-6	LTE
IP Bridge	BR	PI0822232-0	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
IP Bridge	BR	PI0908287-5	LTE
IP Bridge	BR	PI0921477-1	LTE
IP Bridge	CA	2618616	LTE
IP Bridge	CA	2689165	LTE
IP Bridge	CA	2695149	LTE
IP Bridge	CA	2764652	LTE
IP Bridge	CA	2924923	LTE
IP Bridge	CN	ZL03800935.8	LTE
IP Bridge	CN	ZL03804545.1	LTE
IP Bridge	CN	ZL200380101606.4	LTE
IP Bridge	CN	ZL200480027158.2	LTE
IP Bridge	CN	ZL200580019047.1	LTE
IP Bridge	CN	ZL200680030111.0	LTE
IP Bridge	CN	ZL200780018607.0	LTE
IP Bridge	CN	ZL200880020552.1	LTE
IP Bridge	CN	ZL200880102072.X	LTE
IP Bridge	CN	ZL200880102541.8	LTE
IP Bridge	CN	ZL200880121567.7	LTE
IP Bridge	CN	ZL200910162430.2	LTE
IP Bridge	CN	ZL200980126319.6	LTE
IP Bridge	CN	ZL200980143102.6	LTE
IP Bridge	CN	ZL200980155745.2	LTE
IP Bridge	CN	ZL201010156079.9	LTE
IP Bridge	CN	ZL201080027057.0	LTE
IP Bridge	CN	ZL201210004351.0	LTE
IP Bridge	CN	ZL201210122020.7	LTE
IP Bridge	CN	ZL201210233924.7	LTE
IP Bridge	CN	ZL201210320945.2	LTE
IP Bridge	CN	ZL201210408581.3	LTE
IP Bridge	CN	ZL201280029375.X	LTE
IP Bridge	CN	ZL201280034996.7	LTE
IP Bridge	CN	ZL201310068694.8	LTE
IP Bridge	CN	ZL201310085057.1	LTE
IP Bridge	CN	ZL201310085060.3	LTE
IP Bridge	CN	ZL201310559751.2	LTE
IP Bridge	CN	ZL201410059198.0	LTE
IP Bridge	CN	ZL201410098218.5	LTE
IP Bridge	CN	ZL201410520653.2	LTE
IP Bridge	CN	ZL201410616808.2	LTE
IP Bridge	CN	ZL201410764164.1	LTE
IP Bridge	CN	ZL201610051627.9	LTE
IP Bridge	CN	ZL201710133033.7	LTE
IP Bridge	CN	ZL201710243460.0	LTE
IP Bridge	EP DE	1562310	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
IP Bridge	EP DE;FR;GB	1744577	LTE
IP Bridge	EP DE;FR;GB	1906569	LTE
IP Bridge	EP DE;FR;GB;IT	2028871	LTE
IP Bridge	EP DE;GB;NL	2034633	LTE
IP Bridge	EP DE;FR;GB	2117155	LTE
IP Bridge	EP CZ;DE;ES;FR;GB;HU;IT;TR	2124463	LTE
IP Bridge	EP CH;DE;ES;FI;FR;GB;IE;IT;LI;TR	2178232	LTE
IP Bridge	EP DE;ES;FR;GB;IE;IT;NL;SE;TR	2187548	LTE
IP Bridge	EP CZ;DE;ES;FR;GB;HU;IT;TR	2228933	LTE
IP Bridge	EP DE;ES;FR;GB;IE;IT;NL;SE;TR	2259613	LTE
IP Bridge	EP CZ;DE;ES;FR;GB;HU;IT;TR	2294737	LTE
IP Bridge	EP DE;ES;FR;GB;IE;IT;NL;SE;TR	2346276	LTE
IP Bridge	EP DE;ES;FR;GB;IT;NL	2352350	LTE
IP Bridge	EP DE;FR;GB	2364054	LTE
IP Bridge	EP CH;DE;FR;GB;IE;LI;LU	2391049	LTE
IP Bridge	EP DE;FR;GB	2393333	LTE
IP Bridge	EP DE;FR;GB	2472761	LTE
IP Bridge	EP CZ;DE;ES;FR;GB;HU;IT;TR	2544395	LTE
IP Bridge	EP DE;GB;NL	2560316	LTE
IP Bridge	EP CY;DE;ES;FR;GB;IT;NL;SE;TR	2579492	LTE
IP Bridge	EP CY;DE;ES;FR;GB;IT;NL;SE;TR	2579493	LTE
IP Bridge	EP CY;CZ;DE;ES;FR;GB;HU;IT;NL;PT;TR	2838216	LTE
IP Bridge	EP DE;FR;GB;HU;IT;MT;PT;TR	2963850	LTE
IP Bridge	EP DE;FR;GB;HU;IS;IT;MT;PT;SI;TR	3148105	LTE
IP Bridge	EP DE;FR;GB;NL	3190733	LTE
IP Bridge	EP DE;FR;GB;NL	3297373	LTE
IP Bridge	EP AT;BE;CH;CZ;DE;EE;ES;FR;GB;HU;IT;LI;NL;PL;RO;SE;SK;TR	3402108	LTE
IP Bridge	EP AT;BE;CH;CZ;DE;EE;ES;FR;GB;HU;IT;LI;NL;PL;RO;SE;SK;TR	3518428	LTE
IP Bridge	ID	0035228	LTE
IP Bridge	ID	0043333	LTE
IP Bridge	IN	271007	LTE
IP Bridge	IN	275204	LTE
IP Bridge	IN	284027	LTE
IP Bridge	IN	302321	LTE
IP Bridge	IN	308843	LTE
IP Bridge	IN	320610	LTE
IP Bridge	IN	332872	LTE
IP Bridge	IN	336064	LTE
IP Bridge	IN	336402	LTE
IP Bridge	IN	357131	LTE
IP Bridge	JP	3751265	LTE
IP Bridge	JP	3929388	LTE
IP Bridge	JP	4220734	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
IP Bridge	JP	4566276	LTE
IP Bridge	JP	4598149	LTE
IP Bridge	JP	4768739	LTE
IP Bridge	JP	4776725	LTE
IP Bridge	JP	4879341	LTE
IP Bridge	JP	4932052	LTE
IP Bridge	JP	5468070	LTE
IP Bridge	MX	283392	LTE
IP Bridge	MX	293438	LTE
IP Bridge	MX	311010	LTE
IP Bridge	MX	317235	LTE
IP Bridge	MX	319175	LTE
IP Bridge	MX	326184	LTE
IP Bridge	MX	331332	LTE
IP Bridge	MX	332803	LTE
IP Bridge	MY	146312-A	LTE
IP Bridge	MY	154142-A	LTE
IP Bridge	MY	157223-A	LTE
IP Bridge	MY	158826-A	LTE
IP Bridge	RU	2476002	LTE
IP Bridge	RU	2499358	LTE
IP Bridge	RU	2526840	LTE
IP Bridge	US	6914903	LTE
IP Bridge	US	7000166	LTE; WCDMA
IP Bridge	US	7006798	LTE
IP Bridge	US	7062295	LTE
IP Bridge	US	7266346	LTE
IP Bridge	US	7356004	LTE
IP Bridge	US	7372909	LTE
IP Bridge	US	7486700	LTE
IP Bridge	US	7733977	LTE
IP Bridge	US	7760813	LTE
IP Bridge	US	7907973	LTE
IP Bridge	US	7933287	LTE
IP Bridge	US	8073037	LTE
IP Bridge	US	8073038	LTE
IP Bridge	US	8077593	LTE
IP Bridge	US	8077594	LTE
IP Bridge	US	8085724	LTE
IP Bridge	US	8098759	LTE
IP Bridge	US	8107896	LTE
IP Bridge	US	8121634	LTE
IP Bridge	US	8160167	LTE
IP Bridge	US	8190959	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
IP Bridge	US	8223818	LTE
IP Bridge	US	8340212	LTE
IP Bridge	US	8351538	LTE
IP Bridge	US	8385239	LTE
IP Bridge	US	8385843	LTE
IP Bridge	US	8467797	LTE
IP Bridge	US	8483743	LTE
IP Bridge	US	8514879	LTE
IP Bridge	US	8526546	LTE
IP Bridge	US	8548524	LTE
IP Bridge	US	8681763	LTE
IP Bridge	US	8787275	LTE
IP Bridge	US	8843142	LTE
IP Bridge	US	8855031	LTE
IP Bridge	US	8897389	LTE
IP Bridge	US	8964687	LTE
IP Bridge	US	8977214	LTE
IP Bridge	US	8982868	LTE
IP Bridge	US	9001915	LTE
IP Bridge	US	9042342	LTE
IP Bridge	US	9042348	LTE
IP Bridge	US	9131484	LTE
IP Bridge	US	9136985	LTE
IP Bridge	US	9137000	LTE
IP Bridge	US	9143192	LTE
IP Bridge	US	9232542	LTE
IP Bridge	US	9246657	LTE
IP Bridge	US	9295047	LTE
IP Bridge	US	9392470	LTE
IP Bridge	US	9397809	LTE
IP Bridge	US	9432170	LTE
IP Bridge	US	9450734	LTE
IP Bridge	US	9474062	LTE
IP Bridge	US	9490951	LTE
IP Bridge	US	9537632	LTE
IP Bridge	US	9641302	LTE
IP Bridge	US	9673876	LTE
IP Bridge	US	9699777	LTE
IP Bridge	US	9769820	LTE
IP Bridge	US	9853796	LTE
IP Bridge	US	9979508	LTE
IP Bridge	US	10117239	LTE
IP Bridge	US	10476645	LTE
IP Bridge	US	10477531	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
IP Bridge	US	10644745	LTE
IP Bridge	VN	10744	LTE
IP Bridge	VN	12029	LTE
IP Bridge	VN	12737	LTE
IP Bridge	VN	13362	LTE
IP Bridge	VN	13480	LTE
IP Bridge	VN	14059	LTE
IP Bridge	VN	14108	LTE
IP Bridge	VN	15520	LTE
IP Bridge	VN	16545	LTE
JVCKENWOOD	CA	2871263	LTE
JVCKENWOOD	CA	2987989	LTE
JVCKENWOOD	EP DE;ES;FR;GB;IT;NL;TR	2809025	LTE
JVCKENWOOD	IN	358033	LTE
JVCKENWOOD	JP	5846513	LTE
JVCKENWOOD	JP	6512275	LTE
JVCKENWOOD	US	9094145	LTE
KDDI	JP	4499177	LTE
KDDI	JP	4527136	LTE
KDDI	JP	4585038	LTE
KDDI	JP	4831605	LTE; WCDMA
KDDI	JP	6588135	LTE
KDDI	JP	6761502	LTE
KDDI	JP	6799653	LTE
KDDI	US	7974203	LTE
KDDI	US	8761145	LTE
KDDI	US	9008068	LTE
KDDI	US	9025431	LTE
KPN	CN	ZL200880121914.6	WCDMA
KPN	CN	ZL200980152983.8	LTE
KPN	CN	ZL201080013541.8	5G; LTE; WCDMA
KPN	CN	ZL201310055256.8	LTE; WCDMA
KPN	EP AT;BE;CH;DE;DK;ES;FI;FR;GB;IE;IS;IT;NL;PL;SE	2250835	WCDMA
KPN	EP DE;FI;FR;GB;NL;SE	2337403	WCDMA
KPN	EP DE;ES;FI;FR;GB;NL;PL;SE	2517495	LTE; WCDMA
KPN	EP DE;FI;FR;GB;IT;NL;PL;SE	2566263	LTE
KPN	EP DE;FI;FR;GB;IT;NL;SE	2656648	LTE
KPN	EP CH;DE;ES;FI;FR;GB;NL;PL;SE	2893734	LTE
KPN	JP	4987126	WCDMA
KPN	JP	5308459	WCDMA
KPN	JP	5436577	WCDMA
KPN	JP	5536230	WCDMA
KPN	KR	101231986	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
KPN	US	8549151	WCDMA
KPN	US	8660560	LTE; WCDMA
KPN	US	8881235	5G
KPN	US	9014667	LTE; WCDMA
KPN	US	9372098	5G
KPN	US	9667669	5G; LTE; WCDMA
KPN	US	9820134	LTE
KPN	US	9907101	5G
KPN	US	10187904	LTE; WCDMA
KPN	US	RE48089	LTE; WCDMA
Lenovo	US	7016320	LTE
Lenovo	US	8213381	LTE
Marvell International	US	8699633	LTE
Marvell International	US	8831690	LTE
Mitsubishi	BR	122016005828-0	WCDMA
Mitsubishi	BR	PI0208395-7	WCDMA
Mitsubishi	CN	ZL02816662.0	WCDMA
Mitsubishi	CN	ZL200410097891.3	WCDMA
Mitsubishi	CN	ZL200410097893.2	WCDMA
Mitsubishi	CN	ZL200410097896.6	WCDMA
Mitsubishi	CN	ZL200410097897.0	WCDMA
Mitsubishi	CN	ZL200910145984.1	WCDMA
Mitsubishi	CN	ZL200910145985.6	WCDMA
Mitsubishi	CN	ZL201510061928.5	5G
Mitsubishi	EP DE;FR;GB	1404031	WCDMA
Mitsubishi	EP DE;FR;GB	1471656	WCDMA
Mitsubishi	EP DE;FR;GB	1471657	WCDMA
Mitsubishi	EP DE;FR;GB	1471658	WCDMA
Mitsubishi	EP DE;FR;GB	1471676	WCDMA
Mitsubishi	EP DE;FR;GB	2533600	5G
Mitsubishi	HK	1075985	WCDMA
Mitsubishi	HK	1076209	WCDMA
Mitsubishi	HK	1076210	WCDMA
Mitsubishi	JP	4275667	WCDMA
Mitsubishi	JP	4841630	5G
Mitsubishi	JP	5462327	5G
Mitsubishi	JP	6239194	5G
Mitsubishi	JP	6300992	5G
Mitsubishi	KR	100561115	WCDMA
Mitsubishi	KR	100561116	WCDMA
Mitsubishi	KR	100803239	WCDMA
Mitsubishi	KR	100803240	WCDMA
Mitsubishi	KR	100905355	WCDMA
Mitsubishi	MX	246511	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Mitsubishi	MX	265285	WCDMA
Mitsubishi	MX	278728	WCDMA
Mitsubishi	MX	296792	WCDMA
Mitsubishi	US	7102993	WCDMA
Mitsubishi	US	7145863	WCDMA
Mitsubishi	US	7307943	WCDMA
Mitsubishi	US	7660714	WCDMA
Mitsubishi	US	7788093	WCDMA
Mitsubishi	US	8094626	WCDMA
Mitsubishi	US	8412520	WCDMA
Mitsubishi	US	10728889	5G
NEC	AU	2009277764	WCDMA
NEC	AU	2010283393	WCDMA
NEC	AU	2014246623	WCDMA
NEC	AU	2014246624	WCDMA
NEC	AU	2014246625	WCDMA
NEC	BR	122016000399-0	WCDMA
NEC	CA	2732689	WCDMA
NEC	CN	ZL200680001211.0	WCDMA
NEC	CN	ZL200880123205.1	WCDMA
NEC	CN	ZL200880127722.6	WCDMA
NEC	CN	ZL200910226185.7	WCDMA
NEC	CN	ZL201010249404.6	WCDMA
NEC	CN	ZL201080035810.0	WCDMA
NEC	CN	ZL201180027407.8	WCDMA
NEC	CN	ZL201310140985.3	WCDMA
NEC	CN	ZL201310159525.5	WCDMA
NEC	CN	ZL201310159528.9	WCDMA
NEC	CN	ZL201410119992.X	WCDMA
NEC	CN	ZL201410280287.8	WCDMA
NEC	CN	ZL201480053021.8	WCDMA
NEC	CN	ZL201510278013.X	WCDMA
NEC	CN	ZL201510280243.X	WCDMA
NEC	CN	ZL201510455179.4	WCDMA
NEC	CN	ZL201510751790.1	WCDMA
NEC	CN	ZL201580070153.6	WCDMA
NEC	CN	ZL201610010213.1	WCDMA
NEC	CN	ZL201610021020.6	WCDMA
NEC	CN	ZL201610084812.8	WCDMA
NEC	CN	ZL201610085001.X	WCDMA
NEC	CN	ZL201610085003.9	WCDMA
NEC	CN	ZL201610085004.3	WCDMA
NEC	CN	ZL201610109364.2	WCDMA
NEC	EP DE;FR;GB	1304900	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
NEC	EP DE;ES;FR;GB;IT;NL;TR	2234424	WCDMA
NEC	EP DE;ES;FR;GB;IT;NL;TR	2472988	WCDMA
NEC	EP DE;ES;FR;GB;IT;NL;TR	2472991	WCDMA
NEC	GB	2435154	WCDMA
NEC	ID	0048229	WCDMA
NEC	ID	0050457	WCDMA
NEC	ID	0055517	WCDMA
NEC	ID	0056411	WCDMA
NEC	ID	0056958	WCDMA
NEC	ID	0058091	WCDMA
NEC	ID	0061807	WCDMA
NEC	ID	0065103	WCDMA
NEC	ID	0067459	WCDMA
NEC	IN	349283	WCDMA
NEC	IN	355753	WCDMA
NEC	IN	357181	WCDMA
NEC	JP	4003089	WCDMA
NEC	JP	4420258	WCDMA
NEC	JP	4479924	WCDMA
NEC	JP	4479927	WCDMA
NEC	JP	4502143	WCDMA
NEC	JP	4780355	WCDMA
NEC	JP	4935953	WCDMA
NEC	JP	4935954	WCDMA
NEC	JP	4962650	WCDMA
NEC	JP	4962651	WCDMA
NEC	JP	4962654	WCDMA
NEC	JP	4968407	WCDMA
NEC	JP	5045859	WCDMA
NEC	JP	5223994	WCDMA
NEC	JP	5263432	WCDMA
NEC	JP	5333688	WCDMA
NEC	JP	5338999	WCDMA
NEC	JP	5354128	WCDMA
NEC	JP	5403118	WCDMA
NEC	JP	5403181	WCDMA
NEC	JP	5500320	WCDMA
NEC	JP	5576001	WCDMA
NEC	JP	5660040	WCDMA
NEC	JP	5676813	WCDMA
NEC	JP	5679137	WCDMA
NEC	JP	5700599	WCDMA
NEC	JP	5804114	WCDMA
NEC	JP	5862829	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
NEC	JP	5862830	WCDMA
NEC	JP	5862840	WCDMA
NEC	JP	5928563	WCDMA
NEC	KR	100854991	WCDMA
NEC	KR	100919172	WCDMA
NEC	KR	101007762	WCDMA
NEC	KR	101020956	WCDMA
NEC	KR	101027859	WCDMA
NEC	KR	101086130	WCDMA
NEC	KR	101172654	WCDMA
NEC	KR	101176254	WCDMA
NEC	KR	101306559	WCDMA
NEC	KR	101333855	WCDMA
NEC	KR	101377836	WCDMA
NEC	KR	101420945	WCDMA
NEC	KR	101434765	WCDMA
NEC	KR	101450487	WCDMA
NEC	KR	101450488	WCDMA
NEC	KR	101481251	WCDMA
NEC	KR	101497853	WCDMA
NEC	KR	101589572	WCDMA
NEC	KR	101609089	WCDMA
NEC	KR	101681624	WCDMA
NEC	MX	320248	WCDMA
NEC	MX	329653	WCDMA
NEC	MX	333628	WCDMA
NEC	MX	334335	WCDMA
NEC	MX	341810	WCDMA
NEC	MX	344358	WCDMA
NEC	MX	345250	WCDMA
NEC	MX	345620	WCDMA
NEC	MX	349184	WCDMA
NEC	MY	156860-A	WCDMA
NEC	MY	157550-A	WCDMA
NEC	MY	162436-A	WCDMA
NEC	RU	2518437	WCDMA
NEC	RU	2526843	WCDMA
NEC	RU	2550557	WCDMA
NEC	RU	2569361	WCDMA
NEC	RU	2569362	WCDMA
NEC	RU	2572564	WCDMA
NEC	RU	2573395	WCDMA
NEC	RU	2589868	WCDMA
NEC	RU	2598583	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
NEC	RU	2598585	WCDMA
NEC	RU	2610263	WCDMA
NEC	RU	2640034	WCDMA
NEC	RU	2671966	WCDMA
NEC	RU	2691856	WCDMA
NEC	SG	196634	WCDMA
NEC	US	6978150	WCDMA
NEC	US	7761111	WCDMA
NEC	US	8014334	WCDMA
NEC	US	8019375	WCDMA
NEC	US	8107992	WCDMA
NEC	US	8306566	WCDMA
NEC	US	8422456	WCDMA
NEC	US	8570886	WCDMA
NEC	US	8577382	WCDMA
NEC	US	8670370	WCDMA
NEC	US	8923194	WCDMA
NEC	US	8929884	WCDMA
NEC	US	8964701	WCDMA
NEC	US	9119080	WCDMA
NEC	US	9241347	WCDMA
NEC	US	9307534	WCDMA
NEC	US	9544821	WCDMA
NEC	US	9544918	WCDMA
NEC	US	9560508	WCDMA
NEC	US	9693243	WCDMA
NEC	US	9794785	WCDMA
NEC	US	9872212	WCDMA
NEC	US	10129849	WCDMA
NEC	US	10148487	WCDMA
NEC	VN	21267	WCDMA
NEC	VN	21543	WCDMA
NEC	VN	22615	WCDMA
NEC	VN	23131	WCDMA
NEC	ZA	201304364	WCDMA
NEC	ZA	201401963	WCDMA
NEC	ZA	201505059	WCDMA
NEC	ZA	201508949	WCDMA
NEC	ZA	201600367	WCDMA
NEC	ZA	201600649	WCDMA
NEC	ZA	201602612	WCDMA
NEC	ZA	201604880	WCDMA
NTT DOCOMO	AU	2006225649	WCDMA
NTT DOCOMO	AU	2009232922	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	AU	2011201300	WCDMA
NTT DOCOMO	BR	PI0611545-4	LTE
NTT DOCOMO	BR	PI0612292-2	LTE
NTT DOCOMO	BR	PI0706608-2	LTE
NTT DOCOMO	BR	PI0711172-0	LTE
NTT DOCOMO	BR	PI0713281-6	LTE
NTT DOCOMO	BR	PI0713665-0	LTE
NTT DOCOMO	BR	PI0719794-2	LTE
NTT DOCOMO	BR	PI0809412-8	LTE
NTT DOCOMO	BR	PI0815364-7	LTE
NTT DOCOMO	BR	PI0815465-1	LTE
NTT DOCOMO	BR	PI0816156-9	LTE
NTT DOCOMO	BR	PI0817533-0	LTE
NTT DOCOMO	BR	PI0817621-3	LTE
NTT DOCOMO	BR	PI0910727-4	LTE
NTT DOCOMO	BR	PI0911999-0	LTE
NTT DOCOMO	BR	PI0916626-2	LTE
NTT DOCOMO	CA	2601835	WCDMA
NTT DOCOMO	CA	2726246	LTE
NTT DOCOMO	CN	ZL01135038.5	WCDMA
NTT DOCOMO	CN	ZL200580030828.0	WCDMA
NTT DOCOMO	CN	ZL200580031356.0	WCDMA
NTT DOCOMO	CN	ZL200610006704.5	WCDMA
NTT DOCOMO	CN	ZL200610019872.8	WCDMA
NTT DOCOMO	CN	ZL200610067390.X	WCDMA
NTT DOCOMO	CN	ZL200610068312.1	WCDMA
NTT DOCOMO	CN	ZL200610071601.7	WCDMA
NTT DOCOMO	CN	ZL200610071788.0	WCDMA
NTT DOCOMO	CN	ZL200610077265.7	WCDMA
NTT DOCOMO	CN	ZL200610079450.X	WCDMA
NTT DOCOMO	CN	ZL200610111056.X	WCDMA
NTT DOCOMO	CN	ZL200610128812.X	WCDMA
NTT DOCOMO	CN	ZL200680009581.9	WCDMA
NTT DOCOMO	CN	ZL200680010901.2	WCDMA
NTT DOCOMO	CN	ZL200680015166.4	WCDMA
NTT DOCOMO	CN	ZL200680025566.3	LTE
NTT DOCOMO	CN	ZL200680026234.7	LTE
NTT DOCOMO	CN	ZL200680033221.2	LTE
NTT DOCOMO	CN	ZL200680041043.8	LTE
NTT DOCOMO	CN	ZL200780022661.2	LTE
NTT DOCOMO	CN	ZL200780030692.2	LTE
NTT DOCOMO	CN	ZL200780036631.7	LTE
NTT DOCOMO	CN	ZL200780042775.3	LTE
NTT DOCOMO	CN	ZL200780048585.2	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	CN	ZL200880007466.7	LTE
NTT DOCOMO	CN	ZL200880009140.8	LTE
NTT DOCOMO	CN	ZL200880010149.0	LTE
NTT DOCOMO	CN	ZL200880010823.5	LTE
NTT DOCOMO	CN	ZL200880012050.4	LTE
NTT DOCOMO	CN	ZL200880014923.5	LTE
NTT DOCOMO	CN	ZL200880016227.8	LTE
NTT DOCOMO	CN	ZL200880020464.1	LTE
NTT DOCOMO	CN	ZL200880103260.4	LTE
NTT DOCOMO	CN	ZL200880106130.6	LTE
NTT DOCOMO	CN	ZL200880107115.3	LTE
NTT DOCOMO	CN	ZL200880107579.4	LTE
NTT DOCOMO	CN	ZL200880107580.7	LTE
NTT DOCOMO	CN	ZL200880109087.9	LTE
NTT DOCOMO	CN	ZL200880111624.3	LTE
NTT DOCOMO	CN	ZL200880111625.8	LTE
NTT DOCOMO	CN	ZL200880113942.3	LTE
NTT DOCOMO	CN	ZL200880117214.X	LTE
NTT DOCOMO	CN	ZL200880118239.1	LTE
NTT DOCOMO	CN	ZL200880123990.0	LTE
NTT DOCOMO	CN	ZL200980101483.1	LTE
NTT DOCOMO	CN	ZL200980104260.0	LTE
NTT DOCOMO	CN	ZL200980104334.0	LTE
NTT DOCOMO	CN	ZL200980110183.X	LTE
NTT DOCOMO	CN	ZL200980110370.8	LTE
NTT DOCOMO	CN	ZL200980113180.1	LTE
NTT DOCOMO	CN	ZL200980113248.6	LTE
NTT DOCOMO	CN	ZL200980114483.5	LTE
NTT DOCOMO	CN	ZL200980114496.2	LTE
NTT DOCOMO	CN	ZL200980116472.0	LTE
NTT DOCOMO	CN	ZL200980116489.6	LTE
NTT DOCOMO	CN	ZL200980117473.7	LTE
NTT DOCOMO	CN	ZL200980119874.6	LTE
NTT DOCOMO	CN	ZL200980129343.5	LTE
NTT DOCOMO	CN	ZL200980136957.6	LTE
NTT DOCOMO	CN	ZL200980143124.2	LTE
NTT DOCOMO	CN	ZL200980148826.X	LTE
NTT DOCOMO	CN	ZL201010283458.4	LTE
NTT DOCOMO	CN	ZL201010511856.7	LTE
NTT DOCOMO	CN	ZL201010551903.0	LTE
NTT DOCOMO	CN	ZL201010611817.4	LTE
NTT DOCOMO	CN	ZL201080013566.8	LTE
NTT DOCOMO	CN	ZL201080018532.8	LTE
NTT DOCOMO	CN	ZL201080018586.4	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	CN	ZL201080028166.4	LTE
NTT DOCOMO	CN	ZL201080028182.3	LTE
NTT DOCOMO	CN	ZL201080031950.0	LTE
NTT DOCOMO	CN	ZL201080036715.2	LTE
NTT DOCOMO	CN	ZL201080037624.0	LTE
NTT DOCOMO	CN	ZL201080044826.8	LTE
NTT DOCOMO	CN	ZL201080045088.9	LTE
NTT DOCOMO	CN	ZL201080047520.8	LTE
NTT DOCOMO	CN	ZL201080049492.3	LTE
NTT DOCOMO	CN	ZL201080050098.1	LTE
NTT DOCOMO	CN	ZL201110091327.0	LTE
NTT DOCOMO	CN	ZL201110111266.X	LTE
NTT DOCOMO	CN	ZL201110264494.0	LTE
NTT DOCOMO	CN	ZL201110331375.2	LTE
NTT DOCOMO	CN	ZL201110416605.5	LTE
NTT DOCOMO	CN	ZL201180005444.9	LTE
NTT DOCOMO	CN	ZL201180005447.2	LTE
NTT DOCOMO	CN	ZL201180005634.0	LTE
NTT DOCOMO	CN	ZL201180005636.X	LTE
NTT DOCOMO	CN	ZL201180005637.4	LTE
NTT DOCOMO	CN	ZL201180009532.6	LTE
NTT DOCOMO	CN	ZL201180009538.3	LTE
NTT DOCOMO	CN	ZL201180009657.9	LTE
NTT DOCOMO	CN	ZL201180020984.4	LTE
NTT DOCOMO	CN	ZL201180021424.0	LTE
NTT DOCOMO	CN	ZL201180021741.2	LTE
NTT DOCOMO	CN	ZL201180021780.2	LTE
NTT DOCOMO	CN	ZL201180021782.1	LTE
NTT DOCOMO	CN	ZL201180027781.8	LTE
NTT DOCOMO	CN	ZL201180027786.0	LTE
NTT DOCOMO	CN	ZL201180029304.5	LTE
NTT DOCOMO	CN	ZL201180030658.1	LTE
NTT DOCOMO	CN	ZL201180031729.X	LTE
NTT DOCOMO	CN	ZL201180035627.5	LTE
NTT DOCOMO	CN	ZL201180039289.2	LTE
NTT DOCOMO	CN	ZL201180039595.6	LTE
NTT DOCOMO	CN	ZL201180039597.5	LTE
NTT DOCOMO	CN	ZL201180049915.6	LTE
NTT DOCOMO	CN	ZL201180049944.2	LTE
NTT DOCOMO	CN	ZL201180049947.6	LTE
NTT DOCOMO	CN	ZL201180052464.1	LTE
NTT DOCOMO	CN	ZL201180053534.5	LTE
NTT DOCOMO	CN	ZL201180053717.7	LTE
NTT DOCOMO	CN	ZL201180058363.5	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	CN	ZL201180058368.8	LTE
NTT DOCOMO	CN	ZL201180064446.5	LTE
NTT DOCOMO	CN	ZL201210023732.3	LTE
NTT DOCOMO	CN	ZL201210111077.7	LTE
NTT DOCOMO	CN	ZL201210120675.0	LTE
NTT DOCOMO	CN	ZL201210173949.2	LTE
NTT DOCOMO	CN	ZL201210248611.9	LTE
NTT DOCOMO	CN	ZL201210265023.6	LTE
NTT DOCOMO	CN	ZL201210298642.5	LTE
NTT DOCOMO	CN	ZL201210405099.4	LTE
NTT DOCOMO	CN	ZL201210461799.5	LTE
NTT DOCOMO	CN	ZL201210472255.9	LTE
NTT DOCOMO	CN	ZL201210478631.5	LTE
NTT DOCOMO	CN	ZL201210482703.3	LTE
NTT DOCOMO	CN	ZL201280005089.X	LTE
NTT DOCOMO	CN	ZL201280007794.3	LTE
NTT DOCOMO	CN	ZL201280008830.8	LTE
NTT DOCOMO	CN	ZL201280008848.8	LTE
NTT DOCOMO	CN	ZL201280015914.4	LTE
NTT DOCOMO	CN	ZL201280021436.8	LTE
NTT DOCOMO	CN	ZL201280021441.9	LTE
NTT DOCOMO	CN	ZL201280021496.X	LTE
NTT DOCOMO	CN	ZL201280021601.X	LTE
NTT DOCOMO	CN	ZL201280022062.1	LTE
NTT DOCOMO	CN	ZL201280044304.7	LTE
NTT DOCOMO	CN	ZL201280044898.1	LTE
NTT DOCOMO	CN	ZL201280048747.3	LTE
NTT DOCOMO	CN	ZL201280054614.7	LTE
NTT DOCOMO	CN	ZL201280054615.1	LTE
NTT DOCOMO	CN	ZL201280054617.0	LTE
NTT DOCOMO	CN	ZL201280054679.1	LTE
NTT DOCOMO	CN	ZL201310043529.7	LTE
NTT DOCOMO	CN	ZL201310049288.7	LTE
NTT DOCOMO	CN	ZL201310072960.4	LTE
NTT DOCOMO	CN	ZL201310218189.7	LTE
NTT DOCOMO	CN	ZL201310316197.5	LTE
NTT DOCOMO	CN	ZL201310316199.4	LTE
NTT DOCOMO	CN	ZL201310506777.0	LTE
NTT DOCOMO	CN	ZL201380004709.2	LTE
NTT DOCOMO	CN	ZL201380007723.8	LTE
NTT DOCOMO	CN	ZL201380013655.6	LTE
NTT DOCOMO	CN	ZL201380016872.0	LTE
NTT DOCOMO	CN	ZL201380017904.9	LTE
NTT DOCOMO	CN	ZL201380019920.1	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	CN	ZL201380022233.5	LTE
NTT DOCOMO	CN	ZL201380024327.6	LTE
NTT DOCOMO	CN	ZL201380032982.6	LTE
NTT DOCOMO	CN	ZL201380038093.0	LTE
NTT DOCOMO	CN	ZL201380039296.1	LTE
NTT DOCOMO	CN	ZL201380044911.8	LTE
NTT DOCOMO	CN	ZL201380046084.6	LTE
NTT DOCOMO	CN	ZL201380050000.6	LTE
NTT DOCOMO	CN	ZL201380050754.1	LTE
NTT DOCOMO	CN	ZL201380052292.7	LTE
NTT DOCOMO	CN	ZL201380057283.7	LTE
NTT DOCOMO	CN	ZL201380064065.6	LTE
NTT DOCOMO	CN	ZL201380068425.X	LTE
NTT DOCOMO	CN	ZL201380069444.4	LTE
NTT DOCOMO	CN	ZL201410031325.6	LTE
NTT DOCOMO	CN	ZL201410213211.3	LTE
NTT DOCOMO	CN	ZL201480024945.5	LTE
NTT DOCOMO	CN	ZL201480028627.6	LTE
NTT DOCOMO	EP DE;FI;FR;GB;IT;NL;SE;TR	1691513	WCDMA
NTT DOCOMO	EP DE;ES;FR;GB;SE	1699144	WCDMA
NTT DOCOMO	EP DE;ES;FR;GB;SE	1705943	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;SE	1705944	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;SE	1708532	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;SE	1708533	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;NL;SE;TR	1708534	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;SE	1718009	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;NL;SE;TR	1720302	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;NL;SE;TR	1755290	WCDMA
NTT DOCOMO	EP DE;ES;FI;FR;GB;IT;SE	1758262	WCDMA
NTT DOCOMO	EP DE;ES;FI;FR;GB;IT;SE	1758421	WCDMA
NTT DOCOMO	EP DE;ES;FI;GB;IT;SE	1760959	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;NL;SE;TR	1760962	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;SE	1802003	WCDMA
NTT DOCOMO	EP DE;FI;FR;GB;IT;SE	1806939	WCDMA
NTT DOCOMO	EP DE;ES;FR;GB;SE	1848154	WCDMA
NTT DOCOMO	EP DE;ES;FR;GB;SE	1874072	WCDMA
NTT DOCOMO	EP DE;FI;GB;SE	1887826	WCDMA
NTT DOCOMO	EP CH;DE;ES;FI;FR;GB;GR	1892864	LTE
NTT DOCOMO	EP DE;FR;GB;IT;PL;PT;SE	1892975	LTE
NTT DOCOMO	EP DE;FI;FR;GB;IT;NL;SE;TR	1914945	WCDMA
NTT DOCOMO	EP DE;FR;GB;IT;PL;PT;SE	1976137	LTE
NTT DOCOMO	EP CH;DE;ES;GB;IT;NL;PT	2015488	LTE
NTT DOCOMO	EP DE;FR;GB;TR	2068585	LTE
NTT DOCOMO	EP AT;CZ;DE;ES;FI;GB;NL	2129156	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	EP BE;DE;GB;HU	2129158	LTE
NTT DOCOMO	EP DE;FR;GB;NO	2141935	LTE
NTT DOCOMO	EP DE;FI;FR;GB;IT;NL;SE;TR	2144471	WCDMA
NTT DOCOMO	EP DE;ES;GB;PT	2169845	LTE
NTT DOCOMO	EP DE;FR;GB;GR;HU;IT;SE	2173125	LTE
NTT DOCOMO	EP AT;DE;FR;GB;GR;IT;SE	2187669	LTE
NTT DOCOMO	EP CH;DE;ES;FI;FR;GB;GR	2187672	LTE
NTT DOCOMO	EP DE;GB;HU;PT	2190228	LTE
NTT DOCOMO	EP AT;CZ;DE;ES;FI;GB;NL	2271143	LTE
NTT DOCOMO	EP BE;DE;ES;FI;GB;NL;PL	2273843	LTE
NTT DOCOMO	EP DE;EE;GB;NL	2317794	LTE
NTT DOCOMO	EP DE;DK;ES;GB	2341746	LTE
NTT DOCOMO	EP DE;FR;GB;GR	2498537	LTE
NTT DOCOMO	EP DE;DK;ES;GB	2629569	LTE
NTT DOCOMO	EP AT;DE;ES;GB;HU;IT;NL	2765818	LTE
NTT DOCOMO	EP BE;DE;FR;GB;GR;SE;TR	2811661	LTE
NTT DOCOMO	ID	0027305	LTE
NTT DOCOMO	ID	0028512	LTE
NTT DOCOMO	ID	0030621	LTE
NTT DOCOMO	ID	0031950	LTE
NTT DOCOMO	ID	0032302	LTE
NTT DOCOMO	ID	0032386	LTE
NTT DOCOMO	ID	0032773	LTE
NTT DOCOMO	ID	0033004	LTE
NTT DOCOMO	ID	0033968	LTE
NTT DOCOMO	ID	0033975	LTE
NTT DOCOMO	ID	0034539	LTE
NTT DOCOMO	ID	0035285	LTE
NTT DOCOMO	ID	0035432	LTE
NTT DOCOMO	ID	0037008	LTE
NTT DOCOMO	ID	0037106	LTE
NTT DOCOMO	ID	0038525	WCDMA
NTT DOCOMO	ID	0039199	LTE
NTT DOCOMO	ID	0039698	LTE; WCDMA
NTT DOCOMO	ID	0040689	LTE
NTT DOCOMO	ID	0041892	LTE
NTT DOCOMO	ID	0041950	LTE
NTT DOCOMO	ID	0045784	LTE
NTT DOCOMO	ID	0045836	LTE
NTT DOCOMO	ID	0046891	LTE
NTT DOCOMO	IN	234181	WCDMA
NTT DOCOMO	IN	234413	WCDMA
NTT DOCOMO	IN	236865	WCDMA
NTT DOCOMO	IN	236867	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	IN	239356	WCDMA
NTT DOCOMO	IN	240959	WCDMA
NTT DOCOMO	IN	241531	WCDMA
NTT DOCOMO	IN	242214	WCDMA
NTT DOCOMO	IN	249877	WCDMA
NTT DOCOMO	IN	254501	WCDMA
NTT DOCOMO	IN	265788	LTE
NTT DOCOMO	IN	267769	LTE
NTT DOCOMO	IN	271488	LTE
NTT DOCOMO	IN	275069	LTE
NTT DOCOMO	IN	275791	LTE
NTT DOCOMO	IN	275973	LTE
NTT DOCOMO	IN	276118	LTE
NTT DOCOMO	IN	280029	LTE
NTT DOCOMO	IN	280360	LTE
NTT DOCOMO	IN	280988	LTE
NTT DOCOMO	IN	282877	LTE
NTT DOCOMO	IN	286796	LTE
NTT DOCOMO	IN	288268	LTE
NTT DOCOMO	IN	293975	LTE
NTT DOCOMO	IN	295424	LTE
NTT DOCOMO	IN	297626	LTE
NTT DOCOMO	IN	297802	LTE
NTT DOCOMO	IN	297806	LTE
NTT DOCOMO	IN	297888	LTE
NTT DOCOMO	IN	298783	LTE
NTT DOCOMO	IN	300748	LTE
NTT DOCOMO	IN	301812	LTE
NTT DOCOMO	IN	309091	LTE
NTT DOCOMO	IN	312326	LTE
NTT DOCOMO	IN	314941	LTE
NTT DOCOMO	IN	319744	LTE
NTT DOCOMO	JP	4279789	WCDMA
NTT DOCOMO	JP	4326535	WCDMA
NTT DOCOMO	JP	4328825	LTE
NTT DOCOMO	JP	4354437	LTE
NTT DOCOMO	JP	4355749	LTE
NTT DOCOMO	JP	4355750	LTE
NTT DOCOMO	JP	4362515	WCDMA
NTT DOCOMO	JP	4390842	LTE
NTT DOCOMO	JP	4465015	LTE
NTT DOCOMO	JP	4465021	LTE
NTT DOCOMO	JP	4480727	WCDMA
NTT DOCOMO	JP	4493707	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	JP	4499489	LTE
NTT DOCOMO	JP	4511611	LTE
NTT DOCOMO	JP	4521308	WCDMA
NTT DOCOMO	JP	4555890	LTE
NTT DOCOMO	JP	4563417	LTE
NTT DOCOMO	JP	4564100	LTE
NTT DOCOMO	JP	4567714	LTE
NTT DOCOMO	JP	4567790	LTE
NTT DOCOMO	JP	4597234	LTE
NTT DOCOMO	JP	4603075	LTE
NTT DOCOMO	JP	4606448	LTE
NTT DOCOMO	JP	4606496	LTE
NTT DOCOMO	JP	4616070	WCDMA
NTT DOCOMO	JP	4620093	LTE
NTT DOCOMO	JP	4651478	LTE
NTT DOCOMO	JP	4685948	LTE
NTT DOCOMO	JP	4695213	LTE
NTT DOCOMO	JP	4700129	WCDMA
NTT DOCOMO	JP	4719728	LTE
NTT DOCOMO	JP	4782220	LTE
NTT DOCOMO	JP	4785961	LTE
NTT DOCOMO	JP	4786359	LTE
NTT DOCOMO	JP	4801176	LTE
NTT DOCOMO	JP	4847602	LTE
NTT DOCOMO	KR	100475153	WCDMA
NTT DOCOMO	KR	100702643	WCDMA
NTT DOCOMO	KR	100753172	WCDMA
NTT DOCOMO	KR	100763012	WCDMA
NTT DOCOMO	KR	100787514	WCDMA
NTT DOCOMO	KR	100788028	WCDMA
NTT DOCOMO	KR	100788338	WCDMA
NTT DOCOMO	KR	100788856	WCDMA
NTT DOCOMO	KR	100788859	WCDMA
NTT DOCOMO	KR	100788860	WCDMA
NTT DOCOMO	KR	100791134	WCDMA
NTT DOCOMO	KR	100795945	WCDMA
NTT DOCOMO	KR	100814050	WCDMA
NTT DOCOMO	KR	100814051	WCDMA
NTT DOCOMO	KR	100913516	WCDMA
NTT DOCOMO	KR	100915161	WCDMA
NTT DOCOMO	KR	100945823	WCDMA
NTT DOCOMO	KR	100953580	WCDMA
NTT DOCOMO	KR	101066911	LTE
NTT DOCOMO	KR	101085412	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	KR	101141112	WCDMA
NTT DOCOMO	KR	101157488	LTE
NTT DOCOMO	KR	101166845	LTE
NTT DOCOMO	KR	101181361	LTE
NTT DOCOMO	MX	282757	LTE
NTT DOCOMO	MX	285092	LTE
NTT DOCOMO	MX	285824	LTE
NTT DOCOMO	MX	288567	LTE
NTT DOCOMO	MX	289054	LTE
NTT DOCOMO	MX	289059	LTE
NTT DOCOMO	MX	291037	LTE
NTT DOCOMO	MX	291528	LTE
NTT DOCOMO	MX	293709	LTE
NTT DOCOMO	MX	294186	LTE
NTT DOCOMO	MX	294497	LTE
NTT DOCOMO	MX	296265	LTE
NTT DOCOMO	MX	298607	LTE
NTT DOCOMO	MX	299438	LTE
NTT DOCOMO	MX	299487	LTE
NTT DOCOMO	MX	301149	LTE
NTT DOCOMO	MX	302377	LTE
NTT DOCOMO	MX	303790	LTE
NTT DOCOMO	MX	304178	LTE
NTT DOCOMO	MX	304303	LTE
NTT DOCOMO	MX	304660	LTE
NTT DOCOMO	MX	304716	LTE
NTT DOCOMO	MX	305417	LTE
NTT DOCOMO	MX	305473	LTE
NTT DOCOMO	MX	310628	LTE
NTT DOCOMO	MX	310679	LTE
NTT DOCOMO	MX	312786	LTE
NTT DOCOMO	MX	313299	LTE
NTT DOCOMO	MX	313379	LTE
NTT DOCOMO	MX	315055	LTE
NTT DOCOMO	MX	317622	LTE
NTT DOCOMO	MX	318036	LTE
NTT DOCOMO	MX	318939	LTE
NTT DOCOMO	MX	320732	LTE
NTT DOCOMO	MX	324621	LTE
NTT DOCOMO	MX	331233	LTE
NTT DOCOMO	MX	339589	LTE
NTT DOCOMO	MX	343731	LTE
NTT DOCOMO	PH	12009501765	LTE
NTT DOCOMO	PH	12010500261	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	RU	2315426	WCDMA
NTT DOCOMO	RU	2322773	WCDMA
NTT DOCOMO	RU	2323534	WCDMA
NTT DOCOMO	RU	2324290	WCDMA
NTT DOCOMO	RU	2324295	WCDMA
NTT DOCOMO	RU	2335863	WCDMA
NTT DOCOMO	RU	2335867	WCDMA
NTT DOCOMO	RU	2336641	WCDMA
NTT DOCOMO	RU	2348107	WCDMA
NTT DOCOMO	RU	2354053	WCDMA
NTT DOCOMO	RU	2372724	WCDMA
NTT DOCOMO	RU	2374789	WCDMA
NTT DOCOMO	RU	2450487	LTE
NTT DOCOMO	SG	136294	WCDMA
NTT DOCOMO	SG	162824	WCDMA
NTT DOCOMO	SG	167064	LTE
NTT DOCOMO	TW	I303134	WCDMA
NTT DOCOMO	TW	I310287	WCDMA
NTT DOCOMO	TW	I314426	WCDMA
NTT DOCOMO	TW	I315951	WCDMA
NTT DOCOMO	TW	I318839	WCDMA
NTT DOCOMO	TW	I326998	WCDMA
NTT DOCOMO	TW	I335736	WCDMA
NTT DOCOMO	TW	I346511	WCDMA
NTT DOCOMO	TW	I355858	LTE
NTT DOCOMO	TW	I366999	LTE
NTT DOCOMO	US	7586977	WCDMA
NTT DOCOMO	US	7630733	WCDMA
NTT DOCOMO	US	7664466	WCDMA
NTT DOCOMO	US	7693170	WCDMA
NTT DOCOMO	US	7693537	WCDMA
NTT DOCOMO	US	7697937	WCDMA
NTT DOCOMO	US	7813705	WCDMA
NTT DOCOMO	US	7817597	WCDMA
NTT DOCOMO	US	7817598	WCDMA
NTT DOCOMO	US	7885265	WCDMA
NTT DOCOMO	US	7889698	WCDMA
NTT DOCOMO	US	7941168	WCDMA
NTT DOCOMO	US	7969943	LTE
NTT DOCOMO	US	7970403	LTE
NTT DOCOMO	US	7974177	LTE
NTT DOCOMO	US	7991064	LTE
NTT DOCOMO	US	7991415	WCDMA
NTT DOCOMO	US	8009623	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	US	8036110	LTE
NTT DOCOMO	US	8050202	LTE
NTT DOCOMO	US	8072939	LTE
NTT DOCOMO	US	8073404	WCDMA
NTT DOCOMO	US	8085661	LTE
NTT DOCOMO	US	8086230	LTE
NTT DOCOMO	US	8095156	LTE
NTT DOCOMO	US	8098628	LTE
NTT DOCOMO	US	8098664	LTE
NTT DOCOMO	US	8102771	WCDMA
NTT DOCOMO	US	8130812	LTE
NTT DOCOMO	US	8144651	LTE
NTT DOCOMO	US	8155675	LTE
NTT DOCOMO	US	8160017	LTE
NTT DOCOMO	US	8165529	LTE
NTT DOCOMO	US	8169954	WCDMA
NTT DOCOMO	US	8170548	LTE
NTT DOCOMO	US	8195173	WCDMA
NTT DOCOMO	US	8195181	LTE
NTT DOCOMO	US	8203987	LTE
NTT DOCOMO	US	8208435	LTE
NTT DOCOMO	US	8208928	LTE
NTT DOCOMO	US	8223696	LTE
NTT DOCOMO	US	8223816	LTE
NTT DOCOMO	US	8224287	LTE
NTT DOCOMO	US	8229120	LTE
NTT DOCOMO	US	8243647	LTE
NTT DOCOMO	US	8265043	LTE
NTT DOCOMO	US	8265631	WCDMA
NTT DOCOMO	US	8301146	LTE
NTT DOCOMO	US	8315318	LTE
NTT DOCOMO	US	8320964	LTE
NTT DOCOMO	US	8325667	LTE
NTT DOCOMO	US	8331304	LTE
NTT DOCOMO	US	8335267	LTE
NTT DOCOMO	US	8340028	LTE
NTT DOCOMO	US	8359043	WCDMA
NTT DOCOMO	US	8359055	WCDMA
NTT DOCOMO	US	8359056	WCDMA
NTT DOCOMO	US	8364160	WCDMA
NTT DOCOMO	US	8385920	LTE
NTT DOCOMO	US	8391905	LTE
NTT DOCOMO	US	8406184	LTE
NTT DOCOMO	US	8412181	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	US	8417251	LTE
NTT DOCOMO	US	8422574	LTE
NTT DOCOMO	US	8437294	LTE
NTT DOCOMO	US	8457637	LTE
NTT DOCOMO	US	8467764	WCDMA
NTT DOCOMO	US	8478285	LTE
NTT DOCOMO	US	8483043	LTE
NTT DOCOMO	US	8488469	WCDMA
NTT DOCOMO	US	8498347	LTE
NTT DOCOMO	US	8509783	LTE
NTT DOCOMO	US	8532049	LTE
NTT DOCOMO	US	8565166	LTE
NTT DOCOMO	US	8571561	LTE
NTT DOCOMO	US	8576799	LTE
NTT DOCOMO	US	8583113	LTE
NTT DOCOMO	US	8605663	LTE
NTT DOCOMO	US	8606304	LTE
NTT DOCOMO	US	8626216	LTE
NTT DOCOMO	US	8630226	LTE
NTT DOCOMO	US	8630366	LTE
NTT DOCOMO	US	8644240	LTE
NTT DOCOMO	US	8665833	LTE
NTT DOCOMO	US	8676164	LTE
NTT DOCOMO	US	8688051	LTE
NTT DOCOMO	US	8688106	LTE
NTT DOCOMO	US	8693428	LTE
NTT DOCOMO	US	8705462	LTE
NTT DOCOMO	US	8718664	LTE
NTT DOCOMO	US	8780851	LTE
NTT DOCOMO	US	8787281	LTE
NTT DOCOMO	US	8797990	LTE
NTT DOCOMO	US	8798007	LTE
NTT DOCOMO	US	8817753	LTE
NTT DOCOMO	US	8817768	LTE
NTT DOCOMO	US	8830905	LTE
NTT DOCOMO	US	8849236	LTE
NTT DOCOMO	US	8855646	LTE
NTT DOCOMO	US	8867470	LTE
NTT DOCOMO	US	8873499	LTE
NTT DOCOMO	US	8873501	LTE
NTT DOCOMO	US	8891478	LTE
NTT DOCOMO	US	8902819	LTE
NTT DOCOMO	US	8918105	LTE
NTT DOCOMO	US	8923200	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	US	8958374	LTE
NTT DOCOMO	US	8971286	LTE
NTT DOCOMO	US	8976723	LTE
NTT DOCOMO	US	8982752	LTE
NTT DOCOMO	US	8982817	LTE
NTT DOCOMO	US	8983428	LTE
NTT DOCOMO	US	8983465	LTE
NTT DOCOMO	US	8995349	LTE
NTT DOCOMO	US	9008019	LTE
NTT DOCOMO	US	9008034	LTE
NTT DOCOMO	US	9008716	LTE
NTT DOCOMO	US	9014145	LTE
NTT DOCOMO	US	9025526	LTE
NTT DOCOMO	US	9025539	LTE
NTT DOCOMO	US	9036543	LTE
NTT DOCOMO	US	9042299	LTE
NTT DOCOMO	US	9042834	LTE
NTT DOCOMO	US	9048912	LTE
NTT DOCOMO	US	9048914	LTE
NTT DOCOMO	US	9066347	LTE
NTT DOCOMO	US	9078217	LTE
NTT DOCOMO	US	9088985	LTE
NTT DOCOMO	US	9094155	LTE
NTT DOCOMO	US	9113468	LTE
NTT DOCOMO	US	9130616	LTE
NTT DOCOMO	US	9131409	LTE
NTT DOCOMO	US	9136922	LTE
NTT DOCOMO	US	9167533	LTE
NTT DOCOMO	US	9179349	LTE
NTT DOCOMO	US	9185633	LTE
NTT DOCOMO	US	9185693	LTE
NTT DOCOMO	US	9220020	LTE
NTT DOCOMO	US	9220021	LTE
NTT DOCOMO	US	9220113	LTE
NTT DOCOMO	US	9232447	LTE
NTT DOCOMO	US	9232477	LTE
NTT DOCOMO	US	9265062	LTE
NTT DOCOMO	US	9271161	LTE
NTT DOCOMO	US	9276651	LTE
NTT DOCOMO	US	9281926	LTE
NTT DOCOMO	US	9306720	LTE
NTT DOCOMO	US	9307475	LTE
NTT DOCOMO	US	9313787	LTE
NTT DOCOMO	US	9319120	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	US	9325443	LTE
NTT DOCOMO	US	9326154	LTE
NTT DOCOMO	US	9332483	LTE
NTT DOCOMO	US	9337907	LTE
NTT DOCOMO	US	9369996	LTE
NTT DOCOMO	US	9398610	LTE
NTT DOCOMO	US	9408085	LTE
NTT DOCOMO	US	9408204	LTE
NTT DOCOMO	US	9414316	LTE
NTT DOCOMO	US	9420471	LTE
NTT DOCOMO	US	9420609	LTE
NTT DOCOMO	US	9438391	LTE
NTT DOCOMO	US	9445295	LTE
NTT DOCOMO	US	9467271	LTE
NTT DOCOMO	US	9491643	LTE
NTT DOCOMO	US	9497676	LTE
NTT DOCOMO	US	9504024	LTE
NTT DOCOMO	US	9520969	LTE
NTT DOCOMO	US	9521604	LTE
NTT DOCOMO	US	9521620	LTE
NTT DOCOMO	US	9526017	LTE
NTT DOCOMO	US	9549365	LTE
NTT DOCOMO	US	9577776	LTE
NTT DOCOMO	US	9609657	LTE
NTT DOCOMO	US	9622126	LTE
NTT DOCOMO	US	9629149	LTE
NTT DOCOMO	US	9629188	LTE
NTT DOCOMO	US	9635590	LTE
NTT DOCOMO	US	9647806	LTE
NTT DOCOMO	US	9667361	LTE
NTT DOCOMO	US	9673955	LTE
NTT DOCOMO	US	9680537	LTE
NTT DOCOMO	US	9681443	LTE
NTT DOCOMO	US	9713187	LTE
NTT DOCOMO	US	9716540	LTE
NTT DOCOMO	US	9716578	LTE
NTT DOCOMO	US	9717084	LTE
NTT DOCOMO	US	9723569	LTE
NTT DOCOMO	US	9742534	LTE
NTT DOCOMO	US	9743438	LTE
NTT DOCOMO	US	9743444	LTE
NTT DOCOMO	US	9750033	LTE
NTT DOCOMO	US	9756555	LTE
NTT DOCOMO	US	9756622	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	US	9763233	LTE
NTT DOCOMO	US	9763240	LTE
NTT DOCOMO	US	9768931	LTE
NTT DOCOMO	US	9781732	LTE
NTT DOCOMO	US	9788191	LTE
NTT DOCOMO	US	9794778	LTE
NTT DOCOMO	US	9794968	LTE
NTT DOCOMO	US	9801159	LTE
NTT DOCOMO	US	9801190	LTE
NTT DOCOMO	US	9806834	LTE
NTT DOCOMO	US	9825806	LTE
NTT DOCOMO	US	9826462	LTE
NTT DOCOMO	US	9832764	LTE
NTT DOCOMO	US	9832766	LTE
NTT DOCOMO	US	9843406	LTE
NTT DOCOMO	US	9860007	LTE
NTT DOCOMO	US	9882694	LTE
NTT DOCOMO	US	9888520	LTE
NTT DOCOMO	US	9893863	LTE
NTT DOCOMO	US	9894639	LTE
NTT DOCOMO	US	9936465	LTE
NTT DOCOMO	US	9941912	LTE
NTT DOCOMO	US	9955377	LTE
NTT DOCOMO	US	9955437	LTE
NTT DOCOMO	US	9985758	LTE
NTT DOCOMO	US	10004029	LTE
NTT DOCOMO	US	10009875	LTE
NTT DOCOMO	US	10033441	LTE
NTT DOCOMO	US	10057023	LTE
NTT DOCOMO	US	10057040	LTE
NTT DOCOMO	US	10057930	LTE
NTT DOCOMO	US	10064102	LTE
NTT DOCOMO	US	10064161	LTE
NTT DOCOMO	US	10064216	LTE
NTT DOCOMO	US	10069651	LTE
NTT DOCOMO	US	10075943	LTE
NTT DOCOMO	US	10075975	LTE
NTT DOCOMO	US	10090988	LTE
NTT DOCOMO	US	10091829	LTE
NTT DOCOMO	US	10097983	LTE
NTT DOCOMO	US	10117192	LTE
NTT DOCOMO	US	10128919	LTE
NTT DOCOMO	US	10136451	LTE
NTT DOCOMO	US	10154430	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
NTT DOCOMO	US	10154479	LTE
NTT DOCOMO	US	10165600	LTE
NTT DOCOMO	US	10172132	LTE
NTT DOCOMO	US	10172144	LTE
NTT DOCOMO	US	10172161	LTE
NTT DOCOMO	US	10178637	LTE
NTT DOCOMO	US	10206116	LTE
NTT DOCOMO	US	10212737	LTE
NTT DOCOMO	US	10256960	LTE
NTT DOCOMO	US	10270501	LTE
NTT DOCOMO	US	10271315	LTE
NTT DOCOMO	US	10306512	LTE
NTT DOCOMO	US	10306699	LTE
Orange	CN	ZL02806429.1	5G; LTE
Orange	CN	ZL03808391.4	5G; LTE; WCDMA
Orange	CN	ZL201180030224.1	5G; LTE; WCDMA
Orange	CN	ZL201180066403.0	5G
Orange	CN	ZL201280041184.5	5G
Orange	EP DE;ES;FR;GB;IT	1362447	5G; LTE
Orange	EP DE;ES;FR;GB;IT	1483915	5G; LTE; WCDMA
Orange	EP DE;ES;FR;GB;IT	2553900	5G; LTE; WCDMA
Orange	EP DE;ES;FR;GB;IT	2559218	5G; LTE; WCDMA
Orange	EP DE;ES;FR;GB;IT	2647243	5G
Orange	EP DE;ES;FR;GB;IT	2724564	5G
Orange	EP DE;ES;FR;GB;IT	3022970	5G
Orange	EP DE;FR;GB	3092777	5G; LTE; WCDMA
Orange	EP DE;ES;FR;GB;IT;NL;TR	3334193	5G; LTE
Orange	EP DE;ES;FR;GB;IT	3526993	5G
Orange	JP	4184798	LTE
Orange	JP	5253439	5G; LTE; WCDMA
Orange	JP	6784800	5G; LTE
Orange	KR	100874059	LTE
Orange	KR	100984662	5G; LTE; WCDMA
Orange	KR	101561152	5G
Orange	KR	101830333	5G
Orange	KR	101902324	5G
Orange	KR	102044803	5G; LTE
Orange	MX	270439	5G; LTE; WCDMA
Orange	US	7170948	LTE
Orange	US	8095957	5G; LTE; WCDMA
Orange	US	9369503	5G; LTE; WCDMA
Orange	US	9456460	5G
Orange	US	9648067	5G; LTE; WCDMA
Orange	US	10560817	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Orange	ZA	200407000	5G; LTE; WCDMA
Sharp	JP	3559034	WCDMA
Sharp	JP	3588104	WCDMA
Sharp	JP	3588105	WCDMA
Sharp	JP	3919787	WCDMA
Sharp	JP	4024836	WCDMA
Sharp	JP	4024837	WCDMA
Sharp	JP	4024838	WCDMA
Sharp	JP	4024839	WCDMA
Sharp	JP	4024840	WCDMA
Sharp	JP	4024841	WCDMA
Sharp	JP	4024842	WCDMA
Sharp	JP	4024843	WCDMA
Sharp	JP	4024845	WCDMA
Sharp	US	7283511	WCDMA
Siemens	AU	2003237952	LTE
Siemens	AU	2004214376	LTE
Siemens	BR	PI0010601-1	WCDMA
Siemens	BR	PI0011703-0	WCDMA
Siemens	BR	PI0012670-5	LTE
Siemens	BR	PI0015732-5	WCDMA
Siemens	BR	PI0015743	WCDMA
Siemens	BR	PI0015824-0	WCDMA
Siemens	BR	PI0017414-9	WCDMA
Siemens	BR	PI0108975	WCDMA
Siemens	BR	PI0112517-6	WCDMA
Siemens	BR	PI0211901-3	WCDMA
Siemens	BR	PI0212064-0	WCDMA
Siemens	BR	PI0306142-6	LTE; WCDMA
Siemens	BR	PI0309059-0	WCDMA
Siemens	BR	PI0318842-6	WCDMA
Siemens	BR	PI0407702-4	LTE; WCDMA
Siemens	BR	PI0407837-3	WCDMA
Siemens	BR	PI0607060-4	WCDMA
Siemens	BR	PI0615184-1	WCDMA
Siemens	BR	PI9913505-1	WCDMA
Siemens	BR	PI9913838-7	WCDMA
Siemens	BR	PI9914362	WCDMA
Siemens	BR	PI9914395	WCDMA
Siemens	CA	2463972	LTE
Siemens	CA	2597656	WCDMA
Siemens	CN	ZL01813950.7	WCDMA
Siemens	CN	ZL01823391.0	WCDMA
Siemens	CN	ZL01823935.8	LTE; WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Siemens	CN	ZL02124530.4	LTE; WCDMA
Siemens	CN	ZL02128556.X	LTE; WCDMA
Siemens	CN	ZL02805182.3	WCDMA
Siemens	CN	ZL02812385.9	LTE
Siemens	CN	ZL02813490.7	LTE; WCDMA
Siemens	CN	ZL02813713.2	WCDMA
Siemens	CN	ZL02816492.X	LTE; WCDMA
Siemens	CN	ZL02816522.5	WCDMA
Siemens	CN	ZL02819123.4	LTE; WCDMA
Siemens	CN	ZL02819832.8	LTE
Siemens	CN	ZL02819842.5	LTE
Siemens	CN	ZL02824449.4	LTE
Siemens	CN	ZL02825836.3	WCDMA
Siemens	CN	ZL03801348.7	LTE; WCDMA
Siemens	CN	ZL03803819.6	WCDMA
Siemens	CN	ZL03803830.7	WCDMA
Siemens	CN	ZL03815379.3	LTE
Siemens	CN	ZL03817640.8	WCDMA
Siemens	CN	ZL03822286.8	LTE; WCDMA
Siemens	CN	ZL03824630.9	LTE; WCDMA
Siemens	CN	ZL200380102639.0	LTE
Siemens	CN	ZL200380109747.0	WCDMA
Siemens	CN	ZL200480004608.6	LTE; WCDMA
Siemens	CN	ZL200480009912.X	LTE
Siemens	CN	ZL200480023688.X	WCDMA
Siemens	CN	ZL200480028316.6	WCDMA
Siemens	CN	ZL200480033246.3	LTE; WCDMA
Siemens	CN	ZL200480039818.9	LTE; WCDMA
Siemens	CN	ZL200580014196.9	WCDMA
Siemens	CN	ZL200580025538.7	WCDMA
Siemens	CN	ZL200580031128.3	WCDMA
Siemens	CN	ZL200580038340.2	WCDMA
Siemens	CN	ZL200680004583.9	WCDMA
Siemens	CN	ZL200680010170.1	WCDMA
Siemens	CN	ZL200680020548.6	LTE; WCDMA
Siemens	CN	ZL200680041147.9	LTE; WCDMA
Siemens	CN	ZL200680041205.8	LTE; WCDMA
Siemens	CN	ZL200710103251.2	WCDMA
Siemens	CN	ZL200710149615.0	WCDMA
Siemens	CN	ZL200780005003.2	LTE; WCDMA
Siemens	CN	ZL200780005265.9	LTE
Siemens	CN	ZL200780037127.9	LTE
Siemens	CN	ZL200810213203.3	LTE
Siemens	CN	ZL200910006740.5	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Siemens	CN	ZL201010119916.0	WCDMA
Siemens	CN	ZL201010120482.6	LTE; WCDMA
Siemens	CN	ZL201010260863.4	LTE; WCDMA
Siemens	CN	ZL201010289001.4	LTE
Siemens	CN	ZL201110208295.8	LTE; WCDMA
Siemens	CN	ZL201110208301.X	LTE; WCDMA
Siemens	CN	ZL201110284100.8	WCDMA
Siemens	CN	ZL201210252385.1	LTE
Siemens	CN	ZL201310065093.1	LTE; WCDMA
Siemens	CN	ZL201310154625.9	LTE; WCDMA
Siemens	CN	ZL201310178459.6	LTE
Siemens	DE	10226394	WCDMA
Siemens	DE	10226650	WCDMA
Siemens	DE	10306171	WCDMA
Siemens	DE	10340647	WCDMA
Siemens	DE	102005006893	WCDMA
Siemens	DE	102006046017	WCDMA
Siemens	EA AM;AZ;BY;KG;KZ;MD;RU;TJ;TM	008051	WCDMA
Siemens	EA BY;KZ;RU	010986	WCDMA
Siemens	EA AM;BY;KZ;RU	011841	LTE
Siemens	EA AM;AZ;BY;KG;KZ;MD;RU;TJ;TM	011917	WCDMA
Siemens	EA BY;KZ;RU	012923	LTE
Siemens	EA AZ;BY;RU	013147	LTE; WCDMA
Siemens	EP DE;FI;FR;GB	1265416	LTE; WCDMA
Siemens	EP DE;FR;GB	1283636	LTE; WCDMA
Siemens	EP DE;FR;GB;IT	1303090	WCDMA
Siemens	EP DE;FR;GB;IT	1380124	LTE
Siemens	EP DE;FR;GB;IT	1397881	WCDMA
Siemens	EP DE;FR;GB	1402655	LTE; WCDMA
Siemens	EP DE;FR;GB;IT	1415435	LTE; WCDMA
Siemens	EP DE;FR;GB	1415496	LTE
Siemens	EP DE;FR;GB	1415497	LTE
Siemens	EP BG;DE;EE;ES;NL;SK	1419607	WCDMA
Siemens	EP BG;CY;CZ;DE;EE;GR;IE;PT;SK	1419623	LTE; WCDMA
Siemens	EP DE;ES;FR;GB;IT;NL	1419639	LTE; WCDMA
Siemens	EP AT;DE;ES;FR;GB;IT;PT;SE;TR	1428343	LTE
Siemens	EP DE;FR;GB;IT	1430652	WCDMA
Siemens	EP DE;ES;FR;GB;IT;TR	1437015	LTE; WCDMA
Siemens	EP DE;ES;FR;GB;GR;IT;TR	1446969	LTE
Siemens	EP FR;GB;IT;NL	1452002	LTE
Siemens	EP DE;FR;GB;IT;TR	1457085	WCDMA
Siemens	EP DE;FR;GB;IT	1474886	WCDMA
Siemens	EP AT;BE;DE;ES;FR;GB;IT;TR	1488581	LTE; WCDMA
Siemens	EP DE;FR;GB;IT	1497943	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Siemens	EP CZ;DE;ES;FR;GB;HU;IT;NL;TR	1512242	WCDMA
Siemens	EP AT;DE;ES;FR;GB;HU;IT;TR	1540973	LTE; WCDMA
Siemens	EP DE;FR;GB;IT	1559218	LTE; WCDMA
Siemens	EP DE;FR;GB;IT	1566024	WCDMA
Siemens	EP BE;DE;ES;FR;GB;IT;PT;RO;SE	1593207	WCDMA
Siemens	EP DE;ES;FI;FR;GB;IT;NL;SE;TR	1595420	LTE; WCDMA
Siemens	EP DE;ES;FR;GB;IT;NL;SE	1597894	LTE; WCDMA
Siemens	EP DE;FR;GB;PL;SK;TR	1656809	WCDMA
Siemens	EP DE;FR;GB	1668952	WCDMA
Siemens	EP AT;CH;DE;ES;FR;GB;IT;NL;SE	1680906	LTE; WCDMA
Siemens	EP DE;ES;FR;GB	1683324	LTE; WCDMA
Siemens	EP DE;FR;GB	1743438	WCDMA
Siemens	EP DE;ES;GB;PL	1796408	LTE
Siemens	EP AT;BE;CZ;ES;FR;GB;IT;PL;TR	1810452	WCDMA
Siemens	EP DE;ES;FI;FR;GB;IT;SE	1810543	WCDMA
Siemens	EP DE;ES;GB;TR	1847051	WCDMA
Siemens	EP GB	1864397	WCDMA
Siemens	EP DE;ES;FR;GB;IT;PL	1889503	LTE; WCDMA
Siemens	EP AT;CH;DE;ES;FR;GB;IE;PL;SI	1917827	WCDMA
Siemens	EP DE;FR;GB	1919099	WCDMA
Siemens	EP DE;ES;FR;GB	1943806	LTE; WCDMA
Siemens	EP DE;FR;GB;IT;PL	1943855	LTE
Siemens	EP BG;CY;DE;FR;GB	1982494	WCDMA
Siemens	EP DE;ES;FR;GB;IT;PL;SE	1985052	LTE
Siemens	EP DE;ES;FI;FR;GB;IE;IT;NL;PL	2052517	LTE; WCDMA
Siemens	EP DE;ES;FR;GB;IT;SE	2055087	WCDMA
Siemens	EP DE;FR;GB;SE	2070269	LTE
Siemens	EP DE;FR;GB	2247085	LTE
Siemens	HK	1147610	LTE
Siemens	HK	1148419	LTE
Siemens	HK	1177334	LTE
Siemens	ID	0016177	WCDMA
Siemens	ID	0017483	LTE; WCDMA
Siemens	ID	0021408	WCDMA
Siemens	ID	0025184	WCDMA
Siemens	ID	0025685	LTE; WCDMA
Siemens	ID	0032542	WCDMA
Siemens	ID	0036088	WCDMA
Siemens	IN	210175	WCDMA
Siemens	IN	216822	WCDMA
Siemens	IN	225756	WCDMA
Siemens	IN	244208	WCDMA
Siemens	IN	253589	WCDMA
Siemens	IN	264781	WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Siemens	IN	283348	WCDMA
Siemens	JP	3787524	WCDMA
Siemens	JP	3924578	LTE
Siemens	JP	3943546	WCDMA
Siemens	JP	4164025	WCDMA
Siemens	JP	4284324	LTE
Siemens	JP	4922397	WCDMA
Siemens	JP	4981139	LTE
Siemens	JP	5162493	WCDMA
Siemens	JP	5274024	WCDMA
Siemens	KR	100559925	LTE
Siemens	KR	100955959	WCDMA
Siemens	KR	100980132	LTE
Siemens	KR	101401605	LTE
Siemens	KR	101432792	LTE
Siemens	KR	101488167	WCDMA
Siemens	MX	260224	WCDMA
Siemens	MX	263723	LTE; WCDMA
Siemens	MX	266549	LTE; WCDMA
Siemens	MX	271931	WCDMA
Siemens	MY	129759-A	WCDMA
Siemens	RU	2270526	LTE; WCDMA
Siemens	RU	2297105	WCDMA
Siemens	RU	2325788	WCDMA
Siemens	RU	2328083	WCDMA
Siemens	RU	2335866	LTE; WCDMA
Siemens	RU	2358406	LTE; WCDMA
Siemens	SG	102966	LTE
Siemens	TW	I246278	LTE
Siemens	TW	I379530	WCDMA
Siemens	US	6999753	LTE
Siemens	US	7035635	LTE
Siemens	US	7062288	WCDMA
Siemens	US	7180902	WCDMA
Siemens	US	7197027	WCDMA
Siemens	US	7200136	WCDMA
Siemens	US	7203509	LTE
Siemens	US	7239863	LTE
Siemens	US	7249303	WCDMA
Siemens	US	7286530	LTE
Siemens	US	7286554	LTE
Siemens	US	7289769	WCDMA
Siemens	US	7305227	LTE; WCDMA
Siemens	US	7315537	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Siemens	US	7360141	WCDMA
Siemens	US	7403781	WCDMA
Siemens	US	7412227	LTE
Siemens	US	7450587	LTE
Siemens	US	7471660	WCDMA
Siemens	US	7489931	LTE
Siemens	US	7499414	LTE; WCDMA
Siemens	US	7533263	WCDMA
Siemens	US	7580718	LTE; WCDMA
Siemens	US	7590066	LTE; WCDMA
Siemens	US	7627317	LTE; WCDMA
Siemens	US	7640486	WCDMA
Siemens	US	7676041	LTE; WCDMA
Siemens	US	7689662	LTE
Siemens	US	7729349	LTE
Siemens	US	7742483	WCDMA
Siemens	US	7746841	LTE; WCDMA
Siemens	US	7808899	LTE
Siemens	US	7813704	LTE
Siemens	US	7818031	WCDMA
Siemens	US	7873051	WCDMA
Siemens	US	7894802	LTE
Siemens	US	7970710	LTE; WCDMA
Siemens	US	8009550	WCDMA
Siemens	US	8023490	LTE
Siemens	US	8054902	LTE
Siemens	US	8073973	LTE
Siemens	US	8107933	LTE
Siemens	US	8200835	LTE
Siemens	US	8208890	LTE; WCDMA
Siemens	US	8213380	WCDMA
Siemens	US	8223702	LTE
Siemens	US	8238892	WCDMA
Siemens	US	8291222	LTE; WCDMA
Siemens	US	8326308	WCDMA
Siemens	US	8345882	LTE; WCDMA
Siemens	US	8374084	LTE
Siemens	US	8391385	LTE
Siemens	US	8533471	LTE
Siemens	US	8542664	WCDMA
Siemens	US	8565102	WCDMA
Siemens	US	8619667	LTE
Siemens	US	8699394	LTE; WCDMA
Siemens	US	8745382	LTE; WCDMA

Patent Holder(s)	Country	Patent Number	Representative Technologies
Siemens	US	8769261	LTE
Siemens	US	9009572	LTE
Siemens	US	9197615	LTE; WCDMA
Siemens	US	RE43243	LTE; WCDMA
Siemens	US	RE43630	WCDMA
Siemens	VN	6467	WCDMA
Siemens	VN	7658	WCDMA
Siemens	VN	13135	WCDMA
Siemens	ZA	200505960	LTE; WCDMA
Siemens	ZA	200704688	WCDMA
Siemens	ZA	200707759	WCDMA
SK Telecom	BR	PI0706360-1	LTE
SK Telecom	CN	ZL200780006495.7	LTE
SK Telecom	CN	ZL201480052265.4	LTE
SK Telecom	CN	ZL201480054683.7	LTE
SK Telecom	CN	ZL201680067157.3	LTE
SK Telecom	CN	ZL201780028882.4	LTE
SK Telecom	EP DE;ES;FR;GB;IT;NL;PL;TR	2057811	LTE
SK Telecom	EP DE;ES;FR;GB;IT	3216139	LTE
SK Telecom	EP DE;ES;FR;GB;IT;NL	3410774	LTE
SK Telecom	EP DE;ES;FR;GB;IT	3614785	LTE
SK Telecom	IN	263473	LTE
SK Telecom	KR	100442133	LTE
SK Telecom	KR	100501031	LTE
SK Telecom	KR	100874485	LTE
SK Telecom	KR	102078424	LTE
SK Telecom	KR	102101517	LTE
SK Telecom	KR	102101578	LTE
SK Telecom	KR	102118750	LTE
SK Telecom	KR	102120497	LTE
SK Telecom	KR	102173193	LTE
SK Telecom	KR	102238523	LTE
SK Telecom	RU	2711952	LTE
SK Telecom	RU	2722424	LTE
SK Telecom	RU	2735387	LTE
SK Telecom	US	8125976	LTE
SK Telecom	US	9439233	LTE
SK Telecom	US	9510332	LTE
SK Telecom	US	9768918	LTE
SK Telecom	US	9800313	LTE
SK Telecom	US	9853795	LTE
SK Telecom	US	10028328	LTE
SK Telecom	US	10122514	LTE
SK Telecom	US	10128986	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
SK Telecom	US	10334644	LTE
SK Telecom	US	10348385	LTE
SK Telecom	US	10355845	LTE
SK Telecom	US	10389492	LTE
SK Telecom	US	10397975	LTE
SK Telecom	US	10499445	LTE
SK Telecom	US	10609636	LTE
SK Telecom	US	10615926	LTE
SK Telecom	US	10637614	LTE
SK Telecom	US	10645527	LTE
SK Telecom	US	10652941	LTE
SK Telecom	US	10659397	LTE
SK Telecom	US	10721588	LTE
SK Telecom	US	10873988	LTE
SK Telecom	US	10912006	5G
SK Telecom	US	10945159	5G
SK Telecom	US	10986681	LTE
Technology In Ariscale	CN	ZL201680021262.3	LTE
Technology In Ariscale	CN	ZL201910119478.9	LTE
Technology In Ariscale	KR	101458790	LTE; WCDMA
Technology In Ariscale	US	10256963	LTE
Technology In Ariscale	US	10707938	LTE
Telecom Italia	CN	ZL200480044311.2	LTE; WCDMA
Telecom Italia	CN	ZL201110028222.0	LTE; WCDMA
Telecom Italia	EP	AT;BE;CH;CZ;DE;DK;ES;FR;GB;HU;IE;IT;NL;PL;PT;RO;SE;TR	LTE
Telecom Italia	EP	AT;BE;CH;CZ;DE;DK;ES;FR;GB;HU;IE;IT;NL;PL;PT;RO;SE;TR	LTE
Telecom Italia	HK	1158410	LTE; WCDMA
Telecom Italia	KR	101050380	LTE
Telecom Italia	KR	101137002	LTE
Telecom Italia	US	7995988	LTE
Telecom Italia	US	8593963	LTE
Telecom Italia	US	9357374	LTE; WCDMA
Telefonica	EP	DE;ES;GB	LTE
Telefonica	US	9313736	LTE
Telefonica	US	9439115	LTE
TNO	EP	DE;ES;FI;FR;GB;IT;NL;SE;TR	LTE; WCDMA
Toshiba	GB	2406482	WCDMA
Verizon Wireless	US	8537781	LTE
Verizon Wireless	US	8805364	LTE
Verizon Wireless	US	8811187	LTE
Verizon Wireless	US	8830858	LTE
Vodafone	EP	DE;FR;GB	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Vodafone	EP DE;ES;FR;GB;IT	2456276	LTE
Vodafone	US	8649389	LTE
Wireless Innovations	AU	2010226125	LTE
Wireless Innovations	BR	PI0418541-2	LTE
Wireless Innovations	BR	PI0701397-3	LTE
Wireless Innovations	CA	2577689	LTE
Wireless Innovations	CA	2707960	LTE
Wireless Innovations	CA	2723507	LTE
Wireless Innovations	CA	2796647	LTE
Wireless Innovations	CN	ZL200480005627.0	LTE
Wireless Innovations	CN	ZL200480040372.1	LTE
Wireless Innovations	CN	ZL200710008095.1	LTE
Wireless Innovations	CN	ZL200880119450.5	LTE
Wireless Innovations	CN	ZL201080021503.7	LTE
Wireless Innovations	CN	ZL201080023921.X	LTE
Wireless Innovations	CN	ZL201180029418.X	LTE
Wireless Innovations	CN	ZL201210239967.6	LTE
Wireless Innovations	EP BE;DE;ES;FI;FR;GB;IT;SE	1683380	LTE
Wireless Innovations	EP BE;DE;ES;FI;FR;GB;IT;SE	1695584	LTE
Wireless Innovations	EP DE;ES;FI;FR;GB;IE;IT;NL;SE;TR	1819184	LTE
Wireless Innovations	EP DE;ES;FI;FR;GB;IE;IT;NL;SE	2068492	LTE
Wireless Innovations	EP DE;ES;FI;FR;GB;IE;IT;NL;SE;TR	2259629	LTE
Wireless Innovations	EP DE;FR;GB	2409445	LTE
Wireless Innovations	EP DE;FR;GB;NL	2559311	LTE
Wireless Innovations	IN	238813	LTE
Wireless Innovations	IN	249019	LTE
Wireless Innovations	IN	257478	LTE
Wireless Innovations	IN	308863	LTE
Wireless Innovations	IN	311424	LTE
Wireless Innovations	JP	4451395	LTE
Wireless Innovations	JP	4512602	LTE
Wireless Innovations	JP	4603013	LTE
Wireless Innovations	JP	4990341	LTE
Wireless Innovations	JP	5140160	LTE
Wireless Innovations	JP	5226049	LTE
Wireless Innovations	JP	5490871	LTE
Wireless Innovations	KR	100763867	LTE
Wireless Innovations	KR	100931858	LTE
Wireless Innovations	KR	101134835	LTE
Wireless Innovations	KR	101420909	LTE
Wireless Innovations	KR	101658686	LTE
Wireless Innovations	KR	101761824	LTE
Wireless Innovations	KR	101863520	LTE
Wireless Innovations	US	7366510	LTE

Patent Holder(s)	Country	Patent Number	Representative Technologies
Wireless Innovations	US	7818024	LTE
Wireless Innovations	US	8019330	LTE
Wireless Innovations	US	8027677	LTE
Wireless Innovations	US	8306536	LTE
Wireless Innovations	US	8320956	LTE
Wireless Innovations	US	8494505	LTE
Wireless Innovations	US	8705424	LTE
Wireless Innovations	US	8731602	LTE
Wireless Innovations	US	8755400	LTE
Wireless Innovations	US	8761769	LTE
Wireless Innovations	US	8942190	LTE
Wireless Innovations	US	9001725	LTE
Wireless Innovations	US	9014072	LTE
Wireless Innovations	US	9125030	LTE
Wireless Innovations	US	10412724	LTE