



Via E-mail

July 9, 2021

IP Counsel
ip@oneplus.com
OnePlus Technology Co., Ltd.
Tairan 8th Road
Shenzhen, Guangdong 518000
China

Dear Sir or Madam:

We write to follow up on our correspondence of May 14, 2021 and in continuation of our discussions with respect to patent licensing matters.

As detailed in our prior correspondence, OnePlus requires a license to many of Pantech's patents, including at least those identified in our June 12, 2020 letter, which are being practiced by OnePlus's line of smartphones, such as the OnePlus 9, 9 Pro, Nord N10 5G, N100, and N200 5G smartphones. Though our prior letter and claim charts detailed how certain, exemplary patents are essential to 3G and 4G/LTE standards, we also want to alert you to the fact that many of Pantech's patents are also essential to the 5G standard. Given the increasing importance of 5G to wireless communications, the essential nature of Pantech's patents with respect to the 5G standard must be taken into account in connection with any licensing discussion. While Pantech continues to review its patent portfolio, examples of such essentiality is set forth below:

Pantech Exemplary 5G Standard Essential Patents			
U.S. Pat. No.	Relevant Standard Specification	U.S. Pat. No.	Relevant Standard Specification
10,050,754	TR 38.802 v2.0.0 (2017-03)	9,680,590	TS 38.213 v16.5.0 - Rel 16
10,090,903	TR 38.802 v2.0.0	10,880,790	TS 38.473 v16.5.0 - Rel 16
10,652,830	TS 38.331 v16.4.1 - Rel 16	9,236,993	TS 38.401 v16.5.0 - Rel 16 TS 37.340 v16.5.0 TR 38.912 v16.0.0
10,015,759	TS 38.133 v16.6.0 - Rel 16 TS 38.321 v16.4.0	10,873,426	TS 38.321 v16.4.0 - Rel 16

8 Yangjaecheonro-21gil, Suite 402
Seoul 06748
Korea
+82-70-7784-4200

8,538,411	TS 38.300 v15.3.1 (10-2018) TS 38.331 v15.3.0 (10-2018) TS 38.321 v15.3.0 (09-2018)	9,392,582	TS 38.300 v15.3.1 (10-2018) TS 38.331 v15.3.0 (10-2018) TS 38.321 v15.3.0 (09-2018)
9,860,046	TS 38.214 v16.5.0 - Rel 16	9,763,283	TS 38.331 v16.4.1 - Rel 16
10,863,573	TS 38.331 v16.4.1 - Rel 16	10,299,224	TS 38.321 v16.4.0 - Rel 16
10,299,251	TS 38.300 v15.3.1 (10-2018) TS 38.331 v15.3.0 (10-2018) TS 38.321 v15.3.0 (09-2018)	9,742,542	TS 38.133 v16.6.0 - Rel 16
8,995,372	TS 38.213 v16.5.0 - Rel 16	9,009,207	TS 38.212 v16.5.0 - Rel 16

In addition, we want to reiterate that Pantech’s affiliate, Pantech Wireless LLC, has recently acquired a portfolio of patents, including LTE SEPs, from Signal Trust for Wireless Innovation (“Signal Trust”) (previously patents owned by InterDigital) (hereinafter, the “Pantech Wireless Patents”). A list of the Pantech Wireless Patents is provided as an attachment hereto. As is the case with respect to Pantech’s portfolio, our analysis of OnePlus’s products, including those mentioned above, and related software and hardware, demonstrates that OnePlus makes, uses, sells, offers to sell, or imports products that infringe on a number of the Pantech Wireless Patents (*e.g.*, through practicing standards that are noted below). In this regard, we specifically call your attention to the following exemplary standard-essential patents:

Pantech Wireless Exemplary Standard Essential Patents			
U.S. Pat. No.	Relevant Standard Specification	U.S. Pat. No.	Relevant Standard Specification
9,438,381	TS 25.211 v 6.10.0 TS 25.212 v6.7.0 TS 25.308 v6.0.0 TS 25.309 v6.6.0 TS 25.321 v6.3.0 TS 25.433 v6.13.0	10,390,279	TS 25.212 v6.7.0 TS 25.214 v6.11.0 TS 25.308 v6.4.0 TS 25.309 v6.6.0 TS 25.433 v6.13.0
10,251,106	TS 25.212 v6.7.0 TS 25.214 v6.11.0 TS 25.308 v6.4.0 TS 25.309 v6.6.0 TS 25.433 v6.13.0	10,764,803	TS 25.212 v6.7.0, v10.5.0 TS 25.214 v6.11.0 TS 25.308 v6.4.0, v10.6.0 TS 25.309 v6.6.0

			TS 25.321 v9.5.0 TS 25.331 v10.20.0 TS 25.433 v6.13.0 TS 36.300 v10.12.0 TS 36.331 v10.22.0 TS 36.321 v10.10.0 TS 36.213 v10.13.0
7,710,909	3GPP2 C.S0024-A	8,902,810	3GPP2 C.S0002-E 3GPP2 C.S0024-A
9,130,649	3GPP2 C.S0002-E 3GPP2 C.S0024-A	9,385,777	3GPP2 C.S0002-E 3GPP2 C.S0024-A
9,271,280	TS 25.319 v8.5.0 TS 25.321 v8.5.0 TS 25.433 v8.4.0	9,374,816	TS 25.319 v8.5.0 TS 25.321 v8.5.0 TS 25.433 v8.4.0
9,844,093	TS 25.319 v8.5.0 TS 25.321 v8.5.0 TS 25.433 v8.4.0	10,327,188	TS 25.331 v8.25.0 TS 25.308 v8.11.1 TS 25.319 v8.12.0 TS 25.321 v8.17.0 TS 25.214 v8.13.0 TS 25.304 v8.12.0
10,327,189	TS 25.331 v8.25.0 TS 25.308 v8.11.1 TS 25.319 v8.12.0 TS 25.321 v8.17.0 TS 25.214 v8.13.0 TS 25.304 v8.12.0	10,362,622	TS 25.319 v8.5.0 TS 25.321 v8.5.0 TS 25.433 v8.4.0
8,774,104	TS 25.321 v9.5.0	9,313,809	TS 25.319 v9.2.0 TS 25.321 v9.5.0, v9.9.0
9,807,799	TS 25.211 v9.2.0 TS 25.214 v9.8.0 TS 25.321 v9.9.0	10,306,677	TS 36.300 v13.10.0 TS 36.213 v13.10.0 TS 36.321 v13.9.0 TS 38.212 v15.8.0 TS 38.321 v15.8.0
8,074,143	TS 36.212 v8.8.0	8,788,920	TS 36.212 v8.8.0

9,065,486	TS 36.212 v10.0.0	7,599,339	TS 25.306 v6.13.0 TS 25.321 v6.18.0 TS 25.331 v6.20.0 TS 25.433 v6.13.0
7,813,328	TS 25.306 v6.13.0 TS 25.321 v6.18.0 TS 25.331 v6.20.0 TS 25.433 v6.13.0	8,270,351	TS 25.306 v6.13.0 TS 25.321 v6.18.0 TS 25.331 v6.20.0 TS 25.433 v6.13.0
8,665,798	TS 25.306 v6.13.0 TS 25.321 v6.18.0 TS 25.331 v6.20.0 TS 25.433 v6.13.0	9,379,860	TS 25.306 v6.13.0 TS 25.331 v6.20.0 TS 25.433 v6.13.0
9,414,314	TS 36.104 v8.4.0 TS 36.141 v8.3.0	9,780,927	TS 25.306 v6.13.0 TS 25.331 v6.20.0 TS 25.433 v6.13.0
10,225,053	TS 25.306 v6.13.0 TS 25.331 v6.20.0 TS 25.433 v6.13.0	9,781,629	TS 25.430 v6.5.0 TS 25.435 v6.5.0
10,631,197	TS 25.430 v6.5.0 TS 25.435 v6.5.0	8,165,594	TS 36.331 v8.21.0 TS 36.212 v8.8.0 TS 36.213 v8.8.0
8,457,072	TS 25.212 v6.7.0 TS 25.308 v6.0.0 TS 25.309 v6.6.0	9,215,636	TS 25.212 v6.7.0 TS 25.309 v6.6.0
9,763,156	TS 25.212 v6.7.0 TS 25.308 v6.0.0 TS 25.309 v6.6.0	10,219,196	TS 25.212 v6.7.0 TS 25.308 v6.0.0 TS 25.309 v6.6.0
10,791,490	TS 25.212 v6.7.0 TS 25.308 v6.0.0 TS 25.309 v6.6.0 TS 25.433 v6.14.0	10,791,491	TS 36.212 v13.10.0, v15.8.0 TS 36.321 v13.9.0, v15.8.0
10,869,247	TS 36.212 v13.10.0, v15.8.0 TS 36.321 v13.9.0, v15.8.0		

To make things more efficient and avoid you from having to separately negotiate with Pantech Corporation and Pantech Wireless, I am pleased to inform you that Pantech Corporation is authorized to handle licensing and infringement discussions on Pantech Wireless's behalf. While the recently acquired Pantech Wireless Patents undeniably increase the value of Pantech's overall portfolio, Pantech is willing to include the Pantech Wireless Patents at the same royalty rate (0.75% for major markets) previously offered if the parties can reach an amicable resolution on this issue in the short term without the need for Pantech to expend further resources or resort to litigation.

More than a year has passed since Pantech communicated with OnePlus regarding a license, so you would understand our disappointment with lack of progress. Pantech continues to welcome the opportunity to continue negotiations with OnePlus, and remains interested in entering a constructive dialogue to determine whether the parties can agree to a mutually acceptable patent license agreement.

I look forward to your reply and the opportunity to discuss these matters with you.

Best regards,



Pep Kim
Sr. Vice President, Licensing
Pantech Corporation

Attachments:
Exemplary List of Pantech Wireless Patents

Exemplary List of Pantech Wireless Patents

No.	Family No.	Category	Country	Patent Number	Application Number	Application Date
1	PW001	Wireless Communication	EP	1169781	00907229.9	Feb 10, 2000
2	PW001	Wireless Communication	EP	1501204	04025423.7	Feb 10, 2000
3	PW001	Wireless Communication	US	6728225	09/501,865	Feb 10, 2000
4	PW001	Wireless Communication	US	7710909	10/810,153	Mar 26, 2004
5	PW001	Wireless Communication	US	8902810	12/771,710	Apr 30, 2010
6	PW002	Wireless Communication	EP	1219038	00970464.4	Sep 21, 2000
7	PW002	Wireless Communication	US	6414951	09/415,321	Oct 8, 1999
8	PW002	Wireless Communication	US	6741584	10/187,484	Jul 1, 2002
9	PW002	Wireless Communication	US	6744755	10/187,693	Jul 1, 2002
10	PW002	Wireless Communication	US	6744756	10/188,279	Jul 1, 2002
11	PW002	Wireless Communication	US	6751208	10/187,687	Jul 1, 2002
12	PW002	Wireless Communication	US	7106720	10/860,848	Jun 4, 2004
13	PW002	Wireless Communication	US	7889664	11/519,540	Sep 12, 2006
14	PW003	Wireless Communication	CA	2899629	2,899,629	Mar 25, 2003
15	PW003	Wireless Communication	CN	ZL 200810173398.3	200810173398.3	Mar 25, 2003
16	PW003	Wireless Communication	JP	4749104	2005-280526	Mar 25, 2003
17	PW003	Wireless Communication	KR	1238290	10-2010-7027846	Mar 25, 2003
18	PW003	Wireless Communication	TW	1580220	101147286	Mar 26, 2003
19	PW003	Wireless Communication	US	8432893	10/329,033	Dec 23, 2002
20	PW003	Wireless Communication	US	8897186	13/872,792	Apr 29, 2013
21	PW003	Wireless Communication	US	9357390	14/551,381	Nov 24, 2014
22	PW003	Wireless Communication	US	9667438	15/141,932	Apr 29, 2016
23	PW003	Wireless Communication	US	10361883	15/606,661	May 26, 2017
24	PW004	Wireless Communication	US	7505431	10/328,890	Dec 23, 2002
25	PW005	Wireless Communication	US	7406068	10/328,791	Dec 23, 2002
26	PW006	Wireless Communication	US	7394795	10/329,098	Dec 23, 2002
27	PW007	Wireless Communication	US	7489672	10/329,099	Dec 23, 2002
28	PW008	Wireless Communication	EP	1546744	03728849.5	May 8, 2003

Exemplary List of Pantech Wireless Patents

29	PW008	Wireless Communication	US	8175030	10/431,897	May 8, 2003
30	PW008	Wireless Communication	US	8379575	13/444,283	Apr 11, 2012
31	PW008	Wireless Communication	US	8942200	13/755,700	Jan 31, 2013
32	PW008	Wireless Communication	US	9369917	14/577,896	Dec 19, 2014
33	PW008	Wireless Communication	US	9781629	15/180,415	Jun 13, 2016
34	PW008	Wireless Communication	US	10631197	15/722,779	Oct 2, 2017
35	PW009	Wireless Communication	US	7251488	10/600,905	Jun 20, 2003
36	PW010	Wireless Communication	DE	1527582	03765793.9	Jul 18, 2003
37	PW010	Wireless Communication	EP	1527582	03765793.9	Jul 18, 2003
38	PW010	Wireless Communication	US	7379489	10/622,681	Jul 18, 2003
39	PW010	Wireless Communication	US	7471713	12/124,716	May 21, 2008
40	PW011	Wireless Communication	CN	ZL201210001256.5	201210001256.5	Aug 1, 2003
41	PW011	Wireless Communication	EP	1916777	08101669.3	Aug 1, 2003
42	PW011	Wireless Communication	KR	10-1571029	10-2014-0067228	Aug 1, 2003
43	PW011	Wireless Communication	US	7400861	10/632,776	Aug 1, 2003
44	PW011	Wireless Communication	US	8606282	12/758,330	Apr 12, 2010
45	PW011	Wireless Communication	US	9144027	14/080,250	Nov 14, 2013
46	PW012	Wireless Communication	CN	ZL200910002930.X	200910002930.X	Dec 2, 2003
47	PW012	Wireless Communication	JP	6640477	2015-129488	Dec 2, 2003
48	PW012	Wireless Communication	TW	1342686	95145060	Dec 2, 2003
49	PW012	Wireless Communication	US	7536154	10/726,374	Dec 3, 2003
50	PW012	Wireless Communication	US	8010053	12/464,312	May 12, 2009
51	PW012	Wireless Communication	US	8204450	13/214,490	Aug 22, 2011
52	PW012	Wireless Communication	US	8428522	13/524,348	Jun 15, 2012
53	PW012	Wireless Communication	US	9414314	13/862,735	Apr 15, 2013
54	PW012	Wireless Communication	US	9807690	15/230,919	Aug 8, 2016
55	PW012	Wireless Communication	US	10349351	15/797,439	Oct 30, 2017
56	PW013	Wireless Communication	CN	ZL 200910009866.8	200910009866.8	Dec 3, 2003
57	PW013	Wireless Communication	CN	ZL200380106125.2	200380106125.2	Dec 3, 2003

Exemplary List of Pantech Wireless Patents

58	PW013	Wireless Communication	KR	10-1409948	10-2005-7011039	Dec 3, 2003
59	PW013	Wireless Communication	TW	1 527384	101130331	Dec 8, 2003
60	PW013	Wireless Communication	US	7293217	10/725,779	Dec 2, 2003
61	PW013	Wireless Communication	US	8074143	11/974,381	Oct 12, 2007
62	PW013	Wireless Communication	US	8359520	13/309,962	Dec 2, 2011
63	PW013	Wireless Communication	US	8788920	13/744,984	Jan 18, 2013
64	PW013	Wireless Communication	US	9065486	14/300,734	Jun 10, 2014
65	PW014	Wireless Communication	CA	2712077	2,712,077	Nov 9, 2004
66	PW014	Wireless Communication	CN	ZL200480033158.3	2.0048E+11	Nov 9, 2004
67	PW014	Wireless Communication	DE	2800440	14168173.4	Nov 9, 2004
68	PW014	Wireless Communication	DE	3297383	17191924.4	Nov 9, 2004
69	PW014	Wireless Communication	EP	1687903	04800968.2	Nov 9, 2004
70	PW014	Wireless Communication	EP	2800440	14168173.4	Nov 9, 2004
71	PW014	Wireless Communication	EP	3297383	17191924.4	Nov 9, 2004
72	PW014	Wireless Communication	FR	2800440	14168173.4	Nov 9, 2004
73	PW014	Wireless Communication	FR	3297383	17191924.4	Nov 9, 2004
74	PW014	Wireless Communication	GB	2800440	14168173.4	Nov 9, 2004
75	PW014	Wireless Communication	GB	3297383	17191924.4	Nov 9, 2004
76	PW014	Wireless Communication	HK	1100380	07108490.1	Aug 6, 2007
77	PW014	Wireless Communication	JP	4834632	2007-239950	Nov 9, 2004
78	PW014	Wireless Communication	JP	5074613	2011-133722	Nov 9, 2004
79	PW014	Wireless Communication	KR	10-1514216	10-2014-7002369	Nov 9, 2004
80	PW014	Wireless Communication	KR	10-1711902	2014-7032678	Nov 9, 2004
81	PW014	Wireless Communication	KR	10-1762635	10-2015-7011961	Nov 9, 2004
82	PW014	Wireless Communication	NL	2800440	14168173.4	Nov 9, 2004
83	PW014	Wireless Communication	TW	1364229	96142750	Nov 10, 2004
84	PW014	Wireless Communication	US	7599339	10/980,723	Nov 3, 2004
85	PW014	Wireless Communication	US	7813328	12/559,641	Sep 15, 2009
86	PW014	Wireless Communication	US	8270351	12/901,931	Oct 11, 2010

Exemplary List of Pantech Wireless Patents

87	PW014	Wireless Communication	US	8665798	13/589,723	Aug 20, 2012
88	PW014	Wireless Communication	US	9379860	14/186,375	Feb 21, 2014
89	PW014	Wireless Communication	US	9780927	14/845,703	Sep 4, 2015
90	PW014	Wireless Communication	US	10225053	15/722,759	Oct 2, 2017
91	PW015	Wireless Communication	AT	2017992	08167633.0	Aug 25, 2004
92	PW015	Wireless Communication	BE	2017992	08167633.0	Aug 25, 2004
93	PW015	Wireless Communication	CA	2534085	2,534,085	Aug 25, 2004
94	PW015	Wireless Communication	CN	ZL200480019075.9	2.0048E+11	Aug 25, 2004
95	PW015	Wireless Communication	CN	ZL201010282463.3	2.0101E+11	Aug 25, 2004
96	PW015	Wireless Communication	DE	2017992	08167633.0	Aug 25, 2004
97	PW015	Wireless Communication	DK	2017992	08167633.0	Aug 25, 2004
98	PW015	Wireless Communication	EP	1661278	04782092.3	Aug 25, 2004
99	PW015	Wireless Communication	EP	2017992	08167633.0	Aug 25, 2004
100	PW015	Wireless Communication	FI	2017992	08167633.0	Aug 25, 2004
101	PW015	Wireless Communication	FR	2017992	08167633.0	Aug 25, 2004
102	PW015	Wireless Communication	GB	2017992	08167633.0	Aug 25, 2004
103	PW015	Wireless Communication	HU	2017992	08167633.0	Aug 25, 2004
104	PW015	Wireless Communication	IE	2017992	08167633.0	Aug 25, 2004
105	PW015	Wireless Communication	IT	2017992	08167633.0	Aug 25, 2004
106	PW015	Wireless Communication	KR	1833758	10-2017-7004682	Aug 25, 2004
107	PW015	Wireless Communication	KR	1960885	10-2018-7005314	Aug 25, 2004
108	PW015	Wireless Communication	KR	10-1710511	2015-7017191	Aug 25, 2004
109	PW015	Wireless Communication	NL	2017992	08167633.0	Aug 25, 2004
110	PW015	Wireless Communication	PL	2017992	08167633.0	Aug 25, 2004
111	PW015	Wireless Communication	TW	1612826	105111025	Aug 26, 2004
112	PW015	Wireless Communication	US	8023463	10/925,426	Aug 25, 2004
113	PW015	Wireless Communication	US	9438381	13/236,133	Sep 19, 2011
114	PW015	Wireless Communication	US	10251106	15/212,402	Jul 18, 2016
115	PW015	Wireless Communication	US	10390279	15/212,403	Jul 18, 2016

Exemplary List of Pantech Wireless Patents

116	PW015	Wireless Communication	US	10764803	16/533,320	Aug 6, 2019
117	PW016	Wireless Communication	AT	3089393	16174968.4	Oct 29, 2004
118	PW016	Wireless Communication	AT	3089394	16174995.7	Oct 29, 2004
119	PW016	Wireless Communication	BE	3089394	16174995.7	Oct 29, 2004
120	PW016	Wireless Communication	CA	2541777	2,541,777	Oct 29, 2004
121	PW016	Wireless Communication	CA	2836724	2,836,724	Oct 29, 2004
122	PW016	Wireless Communication	CN	ZL 201110411582.9	2.0111E+11	Oct 29, 2004
123	PW016	Wireless Communication	CN	ZL200480021311.0	2.0048E+11	Oct 29, 2004
124	PW016	Wireless Communication	DE	3089394	16174995.7	Oct 29, 2004
125	PW016	Wireless Communication	DE	60 2004 053 834.5	16174968.4	Oct 29, 2004
126	PW016	Wireless Communication	DK	3089393	16174968.4	Oct 29, 2004
127	PW016	Wireless Communication	DK	3089394	16174995.7	Oct 29, 2004
128	PW016	Wireless Communication	EP	1680933	04818612.6	Oct 29, 2004
129	PW016	Wireless Communication	EP	3089393	16174968.4	Oct 29, 2004
130	PW016	Wireless Communication	EP	3089394	16174995.7	Oct 29, 2004
131	PW016	Wireless Communication	FI	3089393	16174968.4	Oct 29, 2004
132	PW016	Wireless Communication	FI	3089394	16174995.7	Oct 29, 2004
133	PW016	Wireless Communication	FR	3089393	16174968.4	Oct 29, 2004
134	PW016	Wireless Communication	FR	3089394	16174995.7	Oct 29, 2004
135	PW016	Wireless Communication	GB	3089393	16174968.4	Oct 29, 2004
136	PW016	Wireless Communication	GB	3089394	16174995.7	Oct 29, 2004
137	PW016	Wireless Communication	HK	1089611	06111509.5	Oct 18, 2006
138	PW016	Wireless Communication	HU	3089393	16174968.4	Oct 29, 2004
139	PW016	Wireless Communication	HU	3089394	16174995.7	Oct 29, 2004
140	PW016	Wireless Communication	IE	3089393	16174968.4	Oct 29, 2004
141	PW016	Wireless Communication	IE	3089394	16174995.7	Oct 29, 2004
142	PW016	Wireless Communication	IT	3089393	16174968.4	Oct 29, 2004
143	PW016	Wireless Communication	IT	3089394	16174995.7	Oct 29, 2004
144	PW016	Wireless Communication	KR	1691042	2015-7015229	Oct 29, 2004

Exemplary List of Pantech Wireless Patents

145	PW016	Wireless Communication	KR	10-1760738	2017-7000742	Oct 29, 2004
146	PW016	Wireless Communication	NL	3089393	16174968.4	Oct 29, 2004
147	PW016	Wireless Communication	NL	3089394	16174995.7	Oct 29, 2004
148	PW016	Wireless Communication	PL	3089393	16174968.4	Oct 29, 2004
149	PW016	Wireless Communication	PL	3089394	16174995.7	Oct 29, 2004
150	PW016	Wireless Communication	TW	1516144	101124119	Nov 1, 2004
151	PW016	Wireless Communication	TW	1584660	104139614	Nov 1, 2004
152	PW016	Wireless Communication	TW	1628965	106112189	Nov 1, 2004
153	PW016	Wireless Communication	US	7046648	10/962,720	Oct 12, 2004
154	PW016	Wireless Communication	US	8130720	11/434,330	May 15, 2006
155	PW016	Wireless Communication	US	8457072	13/308,950	Dec 1, 2011
156	PW016	Wireless Communication	US	9215636	13/908,242	Jun 3, 2013
157	PW016	Wireless Communication	US	9763156	14/869,313	Sep 29, 2015
158	PW016	Wireless Communication	US	10219196	15/699,418	Sep 8, 2017
159	PW016	Wireless Communication	US	10791490	16/283,407	Feb 22, 2019
160	PW016	Wireless Communication	US	10791491	16/545,398	Aug 20, 2019
161	PW016	Wireless Communication	US	10869247	17/008,439	Aug 31, 2020
162	PW017	Wireless Communication	CN	ZL200580026526.6	200580026526.6	Jul 28, 2005
163	PW017	Wireless Communication	US	7499393	11/189,649	Jul 26, 2005
164	PW018	Wireless Communication	US	8165594	11/840,534	Aug 17, 2007
165	PW019	Wireless Communication	CN	ZL200880109476.1	2.0088E+11	Sep 26, 2008
166	PW019	Wireless Communication	CN	ZL201910062001.1	2.0191E+11	Sep 26, 2008
167	PW019	Wireless Communication	DE	2201796	08834882.6	Sep 26, 2008
168	PW019	Wireless Communication	DE	2276315	101719854	Sep 26, 2008
169	PW019	Wireless Communication	EP	2201796	08834882.6	Sep 26, 2008
170	PW019	Wireless Communication	EP	2276315	10171985.4	Sep 26, 2008
171	PW019	Wireless Communication	FR	2201796	08834882.6	Sep 26, 2008
172	PW019	Wireless Communication	GB	2201796	08834882.6	Sep 26, 2008
173	PW019	Wireless Communication	JP	5100841	2010-527194	Sep 26, 2008

Exemplary List of Pantech Wireless Patents

174	PW019	Wireless Communication	JP	6509952	2017-117754	Sep 26, 2008
175	PW019	Wireless Communication	KR	1593056	10-2013-7025459	Sep 26, 2008
176	PW019	Wireless Communication	KR	1830755	10-2017-7010403	Sep 26, 2008
177	PW019	Wireless Communication	KR	1942569	10-2018-7004044	Sep 26, 2008
178	PW019	Wireless Communication	KR	2107629	10-2019-7002025	Sep 26, 2008
179	PW019	Wireless Communication	KR	10-1570812	10-2014-7025978	Sep 26, 2008
180	PW019	Wireless Communication	KR	10-1571023	10-2010-7012122	Sep 26, 2008
181	PW019	Wireless Communication	KR	10-1614421	10-2015-7015442	Sep 26, 2008
182	PW019	Wireless Communication	KR	10-1622986	10-2015-7001379	Sep 26, 2008
183	PW019	Wireless Communication	KR	10-1729252	2016-7012588	Sep 26, 2008
184	PW019	Wireless Communication	NL	2201796	08834882.6	Sep 26, 2008
185	PW019	Wireless Communication	TW	1510036	97137308	Sep 26, 2008
186	PW019	Wireless Communication	TW	1616082	105100272	Sep 26, 2008
187	PW019	Wireless Communication	US	8774104	12/238,910	Sep 26, 2008
188	PW019	Wireless Communication	US	9313809	14/319,608	Jun 30, 2014
189	PW019	Wireless Communication	US	9807799	14/319,975	Jun 30, 2014
190	PW019	Wireless Communication	US	10306677	14/876,337	Oct 6, 2015
191	PW020	Wireless Communication	AT	2208383	08842707.5	Oct 23, 2008
192	PW020	Wireless Communication	BE	2208383	08842707.5	Oct 23, 2008
193	PW020	Wireless Communication	CN	ZL200880113030.6	200880113030.6	Oct 23, 2008
194	PW020	Wireless Communication	DE	2208383	08842707.5	Oct 23, 2008
195	PW020	Wireless Communication	DK	2208383	08842707.5	Oct 23, 2008
196	PW020	Wireless Communication	EP	2208383	08842707.5	Oct 23, 2008
197	PW020	Wireless Communication	FI	2208383	08842707.5	Oct 23, 2008
198	PW020	Wireless Communication	FR	2208383	08842707.5	Oct 23, 2008
199	PW020	Wireless Communication	GB	2208383	08842707.5	Oct 23, 2008
200	PW020	Wireless Communication	HU	2208383	08842707.5	Oct 23, 2008
201	PW020	Wireless Communication	IE	2208383	08842707.5	Oct 23, 2008
202	PW020	Wireless Communication	IT	2208383	08842707.5	Oct 23, 2008

Exemplary List of Pantech Wireless Patents

203	PW020	Wireless Communication	JP	6039738	2015-091454	Oct 23, 2008
204	PW020	Wireless Communication	JP	6606485	2016-216562	Oct 23, 2008
205	PW020	Wireless Communication	KR	1595423	10-2015-7002626	Apr 3, 2014
206	PW020	Wireless Communication	KR	10-1568149	10-2014-7008899	Apr 3, 2014
207	PW020	Wireless Communication	KR	10-1571134	10-2013-7031592	Oct 23, 2008
208	PW020	Wireless Communication	KR	10-1712872	2016-7003544	Apr 3, 2014
209	PW020	Wireless Communication	NL	2208383	08842707.5	Oct 23, 2008
210	PW020	Wireless Communication	PL	2208383	08842707.5	Oct 23, 2008
211	PW020	Wireless Communication	TW	1448130	97141068	Oct 24, 2008
212	PW020	Wireless Communication	US	9271280	12/256,964	Oct 23, 2008
213	PW020	Wireless Communication	US	9374816	15/049,922	Feb 22, 2016
214	PW020	Wireless Communication	US	9844093	15/182,218	Jun 14, 2016
215	PW020	Wireless Communication	US	10362622	15/836,302	Dec 8, 2017
216	PW021	Wireless Communication	CN	ZL201310247094.8	2.0131E+11	Dec 30, 2008
217	PW021	Wireless Communication	JP	6695914	2018-030709	Dec 30, 2008
218	PW021	Wireless Communication	KR	1681622	10-2014-7015770	Dec 30, 2008
219	PW021	Wireless Communication	TW	1538536	103113760	Dec 31, 2008
220	PW021	Wireless Communication	TW	1584661	105113430	Dec 31, 2008
221	PW021	Wireless Communication	US	8325684	12/346,631	Dec 30, 2008
222	PW021	Wireless Communication	US	9161285	13/665,734	Oct 31, 2012
223	PW021	Wireless Communication	US	10327188	15/782,532	Oct 12, 2017
224	PW021	Wireless Communication	US	10327189	15/782,549	Oct 12, 2017