

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6802640

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME

CONVEYING PARTY DATA

Name	Execution Date
CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY	06/09/2021

RECEIVING PARTY DATA

Name:	DATANG MOBILE COMMUNICATIONS EQUIPMENT CO., LTD.
Street Address:	1/F, BUILDING 1, NO. 5 SHANGDI EAST ROAD, HAIDIAN DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100085

PROPERTY NUMBERS Total: 157

Property Type	Number
Application Number:	16349164
Application Number:	16610255
Application Number:	16608937
Application Number:	16483102
Application Number:	16480454
Application Number:	16480093
Application Number:	16483643
Application Number:	16500466
Application Number:	16961797
Application Number:	16960184
Application Number:	16637957
Application Number:	16646394
Application Number:	16317945
Application Number:	16967803
Application Number:	17043216
Application Number:	16633718
Application Number:	16346688
Application Number:	16486896
Application Number:	17044076
Application Number:	16764667

PATENT

Property Type	Number
Application Number:	16760660
Application Number:	16645633
Application Number:	16622424
Application Number:	16760237
Application Number:	16968443
Application Number:	16977203
Application Number:	16968762
Application Number:	16322553
Application Number:	16480841
Application Number:	16316882
Application Number:	16461087
Application Number:	16480812
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Application Number:	11078906
Application Number:	11124601
Application Number:	11181687
Application Number:	11175119
Application Number:	11230297
Application Number:	12677746
Application Number:	12741020
Application Number:	12989613
Application Number:	12990372
Application Number:	13278881
Application Number:	13319031
Application Number:	13384150
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Application Number:	14383319
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Application Number:	16607433
Application Number:	16607335
Application Number:	16610722

Property Type	Number
Application Number:	16495610
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Application Number:	16761219
Application Number:	16772077
Application Number:	16321375
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Application Number:	12532271
Application Number:	13056890
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Application Number:	13321114
Application Number:	11165957
Application Number:	11125612

Property Type	Number
Application Number:	11149095
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Application Number:	11886193
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Application Number:	10565764
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Application Number:	14780583
Application Number:	14780566
Application Number:	14780574

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Application Number:	14899769
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Application Number:	14363398
Application Number:	14375807
Application Number:	10518426
Application Number:	11288947
Application Number:	13265899
Application Number:	16606172
Application Number:	14240676
Application Number:	14375462

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 9294R-500157

NAME OF SUBMITTER: MICHAEL L TEICH

SIGNATURE: /Michael Teich/

DATE SIGNED: 07/08/2021

Total Attachments: 7

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INTELLECTUAL PROPERTY ASSIGNMENT

This Intellectual Property Assignment ("**IP Assignment**") is made by and between

CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY, a Chinese corporation, having a principal place of business at No. 40 Xueyuan Rd., Haidian District, Beijing, China 100191, (hereafter the "Assignor"), and

DATANG MOBILE COMMUNICATIONS EQUIPMENT CO., LTD., a Chinese corporation, having a principal place of business at 1/F, Building 1, No.5 Shangdi East Road, Haidian District, Beijing 100085, China, (hereafter the "Assignee").

WHEREAS, Assignor owns right, title and interest in and to the Purchased IP listed in attached Schedule A; and

WHEREAS, Assignee is desirous of acquiring Assignor's entire right, title and interest in and to the Purchased IP.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee hereby agree as follows.

Assignor does hereby sell, assign, transfer and set over to Assignee, its successors and assigns, Assignor's entire right, title and interest in the United States of America and throughout the world in the Purchased IP listed in attached Schedule A, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the Purchased IP, to the Purchased IP itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the Purchased IP, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid Purchased IP and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict with this IP Assignment.

Assignor hereby agrees to execute without further consideration any further documents and instruments which may be necessary, lawful and

proper to secure to Assignee its interest and title in the aforementioned Purchased IP.

Assignor hereby agrees to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of the Purchased IP or in the preparation or prosecution of any continuation, divisional, continuation-in-part, substitute, renewal, reexamination, post grant review, inter partes review, or reissue applications or in any amendments, extensions, or interference proceedings, or other applications for patents of any region or country, worldwide, or that may be necessary to prosecute, protect, record, perfect and/or maintain the Purchased IP.

Assignor hereby further covenants and agrees that it will communicate to Assignee any and all facts known to it respecting said Purchased IP, and testify in any legal proceeding, sign all lawful papers, execute and deliver all papers and take an actions that may be necessary or desirable to perfect the title to any of the Purchased IP.

Assignor hereby further covenants and agrees not to challenge the validity or ownership of, or assist anyone else challenging the validity or ownership of, any of the Purchased IP or any patent or application claiming priority to the Purchased IP, whether in the courts or before a government agency, including reexaminations, inter partes reviews, post grant reviews, covered business method reviews, derivation proceedings, or any other proceeding where the validity or scope or ownership of the Purchased IP, or any patent or application claiming priority to the Purchased IP, is at issue.

Assignor does hereby authorize and request the Director of the United States Patent and Trademark Office and directors of equivalent non-USA intellectual property offices, to issue any and all letters patent or similar rights which may be granted upon said Purchased IP, or any parts thereof, when granted, to said Assignee.

The undersigned are empowered to sign this certificate on behalf of the Assignor and the Assignee, respectively.

The undersigned hereby declares that all statements made herein of his/her own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IN WITNESS WHEREOF, executed by the Assignor's undersigned representative on the date following the undersigned's name.

CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY

By: Hai Bi *Hai Bi*

Title: Director of IP Patent

Date: 2021.6.9

IN WITNESS WHEREOF, executed by the Assignee's undersigned representative on the date following the undersigned's name.

DATANG MOBILE COMMUNICATIONS EQUIPMENT CO., LTD.

By: Fangying CHEN *Fangying Chen*

Title: General Manager of Legal & IP Department

Date: 2021.6.9

Schedule A

Application No.	Application Date	Country	Status	Issue Date	Issue No.
16/606,172	2018/4/10	US	Pending		
16/607,433	2018/3/28	US	Pending		
16/607,335	2018/4/20	US	Pending		
16/610,722	2018/4/19	US	Pending		
16/495,610	2018/3/13	US	Pending		
16/494,647	2018/2/26	US	Pending		
16/496,698	2018/3/14	US	Pending		
16/494,989	2018/3/8	US	Pending		
16/489,734	2018/2/24	US	Pending		
16/468,867	2017/10/17	US	Pending		
16/638,443	2018/7/25	US	Pending		
16/638,398	2018/8/10	US	Pending		
16/321,007	2017/6/22	US	Pending		
16/639,879	2018/8/3	US	Pending		
16/472,325	2017/12/1	US	Pending		
16/321,419	2017/7/5	US	Pending		
16/319,820	2017/7/5	US	Pending		
16/759,599	2018/9/5	US	Pending		
16/761,219	2018/10/31	US	Pending		
16/772,077	2018/11/23	US	Pending		
16/321,375	2017/6/21	US	Pending		
16/319,789	2017/7/12	US	Pending		
16/349,164	2017/8/22	US	Pending		
16/610,255	2018/4/24	US	Pending		
16/608,937	2018/4/24	US	Pending		
16/483,102	2018/2/5	US	Pending		
16/480,454	2018/2/7	US	Pending		
16/480,093	2018/2/8	US	Pending		
16/483,643	2018/2/2	US	Pending		
16/500,466	2018/3/14	US	Pending		
16/961,797	2019/1/9	US	Pending		
16/960,184	2018/12/25	US	Pending		
16/637,957	2018/8/8	US	Pending		
16/646,394	2018/6/15	US	Pending		
16/317,945	2017/7/11	US	Pending		
16/967,803	2019/1/11	US	Pending		
17/043,216	2019/1/31	US	Pending		
16/633,718	2018/6/15	US	Pending		
16/346,688	2017/11/1	US	Pending		

16/486,896	2018/2/14	US	Pending		
17/044,076	2019/2/27	US	Pending		
16/764,667	2018/9/29	US	Pending		
16/760,660	2018/10/16	US	Pending		
16/645,633	2018/8/28	US	Pending		
16/622,424	2018/4/4	US	Pending		
16/750,237	2018/9/19	US	Pending		
16/968,443	2018/12/7	US	Pending		
16/977,203	2019/2/27	US	Pending		
16/958,762	2019/1/31	US	Pending		
16/322,533	2017/7/24	US	Pending		
16/495,032	2018/2/14	US	Issued	2020/11/3	US10827553B2
16/480,841	2018/2/28	US	Issued	2020/11/3	US10827512B2
10/565,261	2004/7/19	US	Issued	2010-05-11	US7715871B2
10/566,619	2004/8/4	US	Issued	2010-03-02	US7672277B2
11/663,789	2005/9/22	US	Issued	2011-09-20	US8023486B2
11/662,679	2005/9/12	US	Issued	2011-12-13	US8077640B2
11/885,948	2005/12/29	US	Issued	2011-06-14	US7962176B2
12/066,176	2006/9/7	US	Issued	2011-07-12	US7978624B2
11/886,193	2005/12/29	US	Issued	2011-09-13	US8018879B2
12/439,343	2007/8/29	US	Issued	2012-07-24	US8228856B2
10/565,764	2004/7/28	US	Issued	2009-06-02	US7542450B2
11/662,724	2005/9/12	US	Issued	2012-05-15	US8180354B2
15/014,261	2010/4/16	US	Issued	2017-10-17	US9794010B2
14/899,802	2014/7/15	US	Issued	2018-01-02	US9860889B2
14/780,583	2014/3/26	US	Issued	2018-02-20	US9900899B2
14/392,219	2014/6/27	US	Issued	2018-03-13	US9918281B2
15/023,119	2014/9/22	US	Issued	2018-08-14	US10051503B2
15/023,345	2014/9/22	US	Issued	2018-07-24	US10033576B2
14/780,566	2014/3/31	US	Issued	2018-07-10	US10021726B2
15/033,257	2014/10/28	US	Issued	2018-09-11	US10075883B2
15/033,317	2014/10/28	US	Issued	2018-10-02	US10091816B2
14/780,574	2014/3/31	US	Issued	2019-02-26	US10219251B2
16/316,882	2017/7/6	US	Issued	2020-02-11	US10560902B2
14/899,769	2014/7/3	US	Issued	2020-02-04	US10555333B2
16/461,087	2017/11/10	US	Issued	2021/3/2	US10938458B2
16/349,014	2017/12/28	US	Issued	2020/12/8	US10862644B2
16/480,812	2018/2/7	US	Issued	2020-09-08	US10772096B2
16/622,880	2018/5/30	US	Issued	2021/3/16	US10951350B2
16/321,896	2017/6/8	US	Issued	2020-09-29	US10791455B2
15/308,835	2015/5/7	US	Issued	2021/1/12	US10892872B2
16/322,067	2017/7/6	US	Issued	2020/11/3	US10827390B2

10/073,709	2000/6/22	US	Issued	2006/10/31	US07130365B2
10/268,349	2001/2/20	US	Issued	2005/11/1	US06961365B2
10/226,584	2001/1/12	US	Issued	2006/4/18	US07031755B2
10/317,719	2001/2/20	US	Issued	2008/7/1	US07394799B2
10/255,334	2001/1/12	US	Issued	2004/8/17	US06778588B2
10/518,426	2003/6/2	US	Issued	2009/10/20	US07606318B2
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11/124,601	2003/11/13	US	Issued	2009/7/21	US07564891B2
11/165,957	2003/12/26	US	Issued	2007/9/18	US07272166B2
11/181,687	2004/1/17	US	Issued	2008/10/7	US07433387B2
11/288,947	2004/5/28	US	Issued	2009/6/30	US07554956B2
11/125,612	2003/11/13	US	Issued	2009/5/26	US07539236B2
11/149,095	2003/12/12	US	Issued	2007/11/13	US07295842B2
11/175,119	2004/1/7	US	Issued	2008/6/17	US07388900B2
11/166,514	2003/12/25	US	Issued	2006/9/5	US07102569B2
11/252,047	2004/4/15	US	Issued	2009/9/8	US07586883B2
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13/012,121	2009/7/22	US	Issued	2013/8/20	US08514813B2
13/278,161	2010/4/20	US	Issued	2016/7/19	US09398584B2
13/278,881	2010/4/16	US	Issued	2014/2/25	US08660052B2
13/319,031	2010/5/5	US	Issued	2015/5/26	US09042932B2
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14/234,072	2012/7/4	US	Issued	2016/5/3	US09332533B2
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12/931,589	2008/3/7	US	Issued	2012/9/4	US0825964282
12/532,271	2008/3/21	US	Issued	2012/7/3	US0821334582
13/056,890	2009/7/30	US	Issued	2013/5/14	US0844199982