

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6492314

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YUKAI GAO	12/18/2019
GANG WANG	12/18/2019
RECEIVING PARTY DATA	
Name:	NEC CORPORATION
Street Address:	7-1, SHIBA 5-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-8001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17259698
CORRESPONDENCE DATA	
Fax Number:	(202)293-7860
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	202-293-7060
Email:	PPROCESSING@SUGHRUE.COM
Correspondent Name:	SUGHRUE MION, PLLC
Address Line 1:	2000 PENNSYLVANIA AVENUE, N.W.
Address Line 2:	SUITE 900
Address Line 4:	WASHINGTON, D.C. 20006
ATTORNEY DOCKET NUMBER:	Q260666
NAME OF SUBMITTER:	QIANA GRAHAM, NEW APPLICATION DEPARTMENT
SIGNATURE:	/Qiana Graham/
DATE SIGNED:	01/12/2021
Total Attachments: 12	
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**ASSIGNMENT WITH DECLARATION FOR
UTILITY OR DESIGN PATENT APPLICATION(S) (37 CFR 1.63)**

Whereas, I, the undersigned inventor hereinafter called assignor, have invented certain improvements described in the application(s) identified below; and

Whereas, NEC CORPORATION of 7-1, Shiba 5-chome, Minato-ku, Tokyo, JAPAN, 108-8001, Japan, (assignee), desires to acquire the entire right, title, and interest in the application(s) and invention(s), and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I, the above named assignor, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application(s) and the invention(s) disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention(s) set forth in the application(s) to the assignee, its successors and assigns; and I hereby agree that the assignee may apply for foreign Letters Patent on the invention(s) and I will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is The application(s) identified in the Attachment, attached hereto, or directed to:
 United States Application or PCT International Application Number _____ filed on _____

The above identified application(s) was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention(s) in the application(s).

I have reviewed and understand the contents of the application(s) for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

NAME OF INVENTOR:	
Given Name (first and middle [if any])	Yukai GAO
Family Name or Surname	GAO
Inventor's signature	<i>Yukai Gao</i>
Date	2019.12.18
Residence:	Beijing, China
Mailing Address:	6F, Building D2, Liangmaqiao Diplomatic Office Building, No. 19, Dongfangdonglu, Chaoyang District Beijing 100600 China

ATTACHMENT

No.	U.S. Application or PCT International Application No.	Filed on	Title of Application
1	PCT/CN2017/088513	2017/6/15	METHODS AND APPARATUSES FOR TRANSMITTING CONTROL INFORMATION
2	PCT/CN2018/097538	2018/7/27	UPLINK TRANSMISSION
3	PCT/CN2017/078958	2017/3/31	METHOD AND DEVICE FOR INTERFERENCE MEASUREMENT
4	PCT/CN2017/079083	2017/3/31	METHODS AND APPARATUSES FOR REFERENCE SIGNAL ALLOCATION
5	PCT/CN2017/082482	2017/4/28	METHODS AND APPARATUSES FOR TIMING ADVANCE ADJUSTMENT
6	PCT/CN2017/082186	2017/4/27	METHODS AND APPARATUSES FOR REFERENCE SIGNAL TRANSMISSION
7	PCT/CN2017/087790	2017/6/9	METHODS AND DEVICES FOR TRANSMITTING AND RECEIVING PHYSICAL RANDOM ACCESS CHANNEL
8	PCT/CN2017/088097	2017/6/13	METHODS, TERMINAL DEVICE, NETWORK DEVICES AND APPARATUSES FOR INTERFERENCE MEASUREMENT
9	PCT/CN2017/088080	2017/6/13	METHODS AND APPARATUSES FOR REFERENCE SIGNAL CONFIGURATION
10	PCT/CN2017/088076	2017/6/13	METHODS AND APPARATUSES FOR REFERENCE SIGNAL CONFIGURATION
11	PCT/CN2017/094022	2017/7/24	METHODS AND DEVICES FOR REFERENCE SIGNAL CONFIGURATION
12	PCT/CN2017/094017	2017/7/24	METHODS AND DEVICES FOR DATA TRANSMISSION
13	PCT/CN2017/095872	2017/8/3	METHOD AND APPARATUS FOR REFERENCE SIGNAL CONFIGURATION
14	PCT/CN2017/097222	2017/8/11	METHODS AND APPARATUSES FOR SYNCHRONIZATION SIGNAL TRANSMISSION
15	PCT/CN2017/097294	2017/8/12	METHODS AND APPARATUSES FOR DETERMINING A PHASE TRACKING REFERENCE SIGNAL CONFIGURATION PARAMETER
16	PCT/CN2017/102223	2017/9/19	METHODS AND APPARATUSES FOR TRANSMITTING CONTROL INFORMATION
17	PCT/CN2017/110722	2017/9/19	METHODS AND APPARATUSES FOR DEMODULATION REFERENCE SIGNAL CONFIGURATION
18	PCT/CN2017/110231	2017/11/9	METHODS AND APPARATUSES FOR PHASE TRACKING REFERENCE SIGNAL CONFIGURATION
19	PCT/CN2018/071391	2018/1/4	METHODS AND APPARATUSES FOR CHANNEL STATE INFORMATION TRANSMISSION
20	PCT/CN2018/075846	2018/2/8	METHODS AND APPARATUSES FOR PHASE TRACKING REFERENCE SIGNAL CONFIGURATION
21	PCT/CN2018/081625	2018/4/2	METHODS AND APPARATUSES FOR REFERENCE SIGNAL CONFIGURATION
22	PCT/CN2018/086375	2018/5/10	SOUNDING REFERENCE SIGNAL TRANSMISSION
23	PCT/CN2018/086670	2018/5/14	SOUNDING REFERENCE SIGNAL TRANSMISSION
24	PCT/CN2018/091527	2018/6/15	CSI REPORTING FOR MULTIPLE TRP TRANSMISSION/PANEL
25	PCT/CN2018/091878	2018/6/19	CSI MEASUREMENT FOR MULTIPLE TRP/PANEL TRANSMISSION
26	PCT/CN2018/092516	2018/6/22	BEAM MANAGEMENT
27	PCT/CN2018/094841	2018/7/6	MULTI-TRP CODEBOOK
28	PCT/CN2018/095687	2018/7/13	BEAM FAILURE RECOVERY
29	PCT/CN2018/095827	2018/7/16	BEAM FAILURE RECOVERY
30	PCT/CN2018/098674	2018/8/3	MULTI-TRP COMMUNICATION
31	PCT/CN2018/098659	2018/8/3	METHODS AND DEVICES FOR REDUCING CHANNEL STATE INFORMATION FEEDBACK OVERHEAD
32	PCT/CN2018/106257	2018/9/18	MULTI-TRP TRANSMISSION
33	PCT/CN2018/113535	2018/11/1	REFERENCE SIGNAL TRANSMISSION
34	PCT/CN2018/120135	2018/11/1	MULTI-TRP TRANSMISSION
35	PCT/CN2018/121172	2018/12/10	DMRS CONFIGURATION

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36	PCT/CN2019/085372	2019/4/30	DOWNLINK RETRANSMISSION FOR MULTI-TRP/PANEL TRANSMISSION
37	PCT/CN2019/086906	2019/5/14	POWER SAVING
38	PCT/CN2019/089060	2019/5/29	METHODS, DEVICES AND COMPUTER STORAGE MEDIA FOR COMMUNICATION
39	PCT/CN2019/092845	2019/6/25	METHODS, DEVICES AND COMPUTER STORAGE MEDIA FOR COMMUNICATION
40	PCT/CN2019/097767	2019/7/25	INDICATION OF REPETITION NUMBER FOR PHYSICAL SHARED CHANNEL
41	PCT/CN2019/100862	2019/8/15	TRANSMISSION AND RECEPTION OF DOWNLINK CONTROL INFORMATION
42	PCT/CN2019/103382	2019/8/29	DMRS TRANSMISSION
43	PCT/CN2019/109623	2019/9/30	METHODS FOR COMMUNICATION, TERMINAL DEVICE, NETWORK DEVICE, AND COMPUTER READABLE MEDIUM
44	PCT/CN2019/115781	2019/11/5	METHOD, DEVICE AND COMPUTER STORAGE MEDIUM FOR COMMUNICATION
45	PCT/CN2017/088512	2017/6/15	METHOD AND DEVICE FOR CROSS-NUMEROLOGY SCHEDULING
46	PCT/CN2018/098672	2018/8/3	TIMING ADJUSTMENT
47	PCT/CN2019/071012	2019/1/9	DMRS TRANSMISSION
48	PCT/CN2017/099510	2017/8/29	METHODS AND APPARATUSES FOR TRANSMITTING AND RECEIVING A PREEMPTION INDICATION
49	PCT/CN2019/124104	2019/12/9	METHOD, DEVICE AND COMPUTER STORAGE MEDIUM FOR COMMUNICATION

NO.	DESCRIPTION	DATE	AMOUNT	REMARKS
1
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NAME OF INVENTOR:	
Given Name (first and middle [if any])	Family Name or Surname
Gang	WANG
Inventor's signature	Date
<i>Gang Wang</i>	2019.12.18
Residence: Beijing, China	
Mailing Address: 6F, Building D2, Liangmaqiao Diplomatic Office Building, No. 19, Dongfangdonglu, Chaoyang District Beijing 100600 China	

ATTACHMENT

No.	U.S. Application or PCT International Application No.	Filed on	Title of Application
1	PCT/CN2019/094851	2019/7/5	COMMUNICATION METHOD, DEVICE AND COMPUTER READABLE MEDIUM IN WIRELESS COMMUNICATION SYSTEM
2	PCT/CN2019/099136	2019/8/2	METHODS, DEVICES AND COMPUTER READABLE MEDIA FOR SIMULTANEOUS CONNECTIVITY BASED HANDOVER
3	PCT/CN2019/108676	2019/9/27	METHOD, DEVICE AND COMPUTER STORAGE MEDIUM OF COMMUNICATION
4	PCT/CN2019/099676	2019/8/7	SIMULTANEOUS CONNECTIVITY BASED HANDOVER
5	PCT/CN2017/096806	2017/8/10	METHODS AND DEVICES FOR BEAM REPORTING
6	PCT/CN2017/096085	2017/8/4	METHODS AND DEVICES FOR BEAM RECOVERY
7	PCT/CN2017/095853	2017/8/3	METHODS AND APPARATUSES FOR CONTROL RESOURCE MAPPING
8	PCT/CN2017/110723	2017/11/13	METHODS AND DEVICES FOR BEAM REPORT TRANSMISSION AND RECEIVING
9	PCT/CN2018/071604	2018/1/5	METHOD AND DEVICES FOR UPLINK SIGNAL TRANSMITTING AND RECEIVING IN A WIRELESS COMMUNICATION SYSTEM
10	PCT/CN2018/076846	2018/2/14	METHODS AND APPARATUSES FOR UPLINK CONTROL INFORMATION TRANSMISSION
11	PCT/CN2018/087632	2018/5/21	METHODS AND APPARATUS FOR MULTI-INSTANCE CHANNEL STATE INFORMATION REPORTING
12	PCT/CN2018/092517	2018/6/22	METHOD, APPARATUS AND COMPUTER READABLE MEDIA FOR CONTROL SIGNAL TRANSMISSION AND RECEPTION
13	PCT/CN2018/094920	2018/7/6	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR BEAM INFORMATION BASED POSITIONING
14	PCT/CN2018/102557	2018/8/27	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR IAB TRANSMISSION
15	PCT/CN2018/109864	2018/10/11	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR UPLINK CONTROL INFORMATION TRANSMISSION
16	PCT/CN2019/074279	2019/1/31	METHOD, DEVICE, AND COMPUTER READABLE MEDIUM FOR COMMUNICATION
17	PCT/CN2019/079854	2019/3/27	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR MULTI-TRP TRANSMISSION
18	PCT/CN2019/091355	2019/6/14	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR UPLINK CONTROL INFORMATION TRANSMISSION
19	PCT/CN2019/091592	2019/6/17	METHODS FOR COMMUNICATION, TERMINAL DEVICE, NETWORK DEVICE, AND COMPUTER READABLE MEDIUM
20	PCT/CN2019/096566	2019/7/18	METHODS, DEVICES AND COMPUTER STORAGE MEDIA FOR MULTI-TRP COMMUNICATION
21	PCT/CN2019/100856	2019/8/15	METHODS, DEVICES AND COMPUTER STORAGE MEDIA FOR CSI FEEDBACK
22	PCT/CN2019/107924	2019/9/25	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR CHANNEL QUALITY MEASUREMENT
23	PCT/CN2018/092511	2018/6/22	METHODS AND DEVICES FOR CHANNEL STATE INFORMATION TRANSMISSION PATENT

24	PCT/CN2018/102356	2018/8/24	SDM IAB TRANSMISSION
25	PCT/CN2018/118640	2018/11/30	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR SINR MEASUREMENT
26	PCT/CN2019/084691	2019/4/26	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR CHANNEL STATE INFORMATION TRANSMISSION
27	PCT/CN2017/103673	2017/9/27	METHODS AND DEVICES FOR PROCESSING AND TRANSMITTING BEAM TRACKING REQUEST
28	PCT/CN2018/081985	2018/4/4	METHODS AND APPARATUS FOR PROCESSING BEAM FAILURE OF A SECONDARY CELL
29	PCT/CN2018/096538	2018/7/20	METHODS, DEVICES AND COMPUTER READABLE MEDIA FOR UPLINK CHANNEL MEASUREMENT
30	PCT/CN2018/099704	2018/8/9	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR BEAM FAILURE RECOVERY FOR A SECONDARY CELL
31	PCT/CN2018/106570	2018/9/19	A METHOD, DEVICE AND COMPUTER READABLE MEDIA FOR SLOT FORMAT CONFIGURATION
32	PCT/CN2018/114909	2018/11/9	BEAM FAILURE RECOVERY
33	PCT/CN2018/121297	2018/12/14	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR MULTI-TRP TRANSMISSION
34	PCT/CN2018/102357	2018/8/24	A METHOD, DEVICE AND COMPUTER READABLE MEDIA FOR SIDELINK CONFIGURATION TRANSMISSION AND RECEPTION
35	PCT/CN2017/093930	2017/7/21	METHODS AND DEVICES FOR UPLINK DATA TRANSMISSION AND SCHEDULING
36	PCT/CN2017/093926	2017/7/21	METHODS AND DEVICES FOR DATA COMMUNICATION BASED ON LICENSE ASSISTED ACCESS
37	PCT/CN2017/093931	2017/7/21	METHODS AND DEVICES FOR UPLINK DATA TRANSMISSION AND SCHEDULING ON UNLICENSED BAND
38	PCT/CN2018/109900	2018/10/11	METHODS AND DEVICES FOR SIDELINK COMMUNICATION
39	PCT/CN2018/121324	2018/12/14	METHODS, DEVICES AND COMPUTER READABLE MEDIUM FOR TRANSMISSION OF REFERENCE SIGNAL
40	PCT/CN2018/121099	2018/12/14	METHODS AND DEVICES FOR SIDELINK COMMUNICATION
41	PCT/CN2019/070138	2019/1/2	METHODS, DEVICES AND COMPUTER READABLE MEDIUM FOR RESOURCE ALLOCATION IN SIDELINK TRANSMISSION
42	PCT/CN2019/085366	2019/4/30	METHOD FOR COMMUNICATION, COMMUNICATION DEVICE, AND COMPUTER READABLE MEDIUM
43	PCT/CN2019/092020	2019/6/20	REPORT OF HARQ FEEDBACK IN SIDELINK TRANSMISSION
44	PCT/CN2019/096601	2019/7/18	REPORT OF HARQ FEEDBACK IN SIDELINK TRANSMISSION
45	PCT/CN2019/099666	2019/8/7	RESOURCE SCHEDULING IN RELAY COMMUNICATION
46	PCT/CN2018/106542	2018/9/19	METHOD, APPARATUS AND COMPUTER READABLE MEDIA FOR POWER CONTROL IN A WIRELESS COMMUNICATION SYSTEM
47	PCT/CN2019/085068	2019/4/29	HARQ FEEDBACK IN SIDELINK TRANSMISSION
48	PCT/CN2018/114659	2018/11/8	METHOD AND DEVICES FOR HYBRID AUTOMATIC REPEAT REQUEST

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49	PCT/CN2017/102934	2017/9/22	RESOURCE CONFIGURATION FOR UNLICENSED BAND
50	PCT/CN2017/110721	2017/11/13	METHODS AND DEVICES FOR DATA TRANSMISSION ON UNLICENSED BAND IN A WIRELESS COMMUNICATION SYSTEM
51	PCT/CN2018/071948	2018/1/9	METHOD AND DEVICE FOR HARQ FEEDBACK
52	PCT/CN2018/081750	2018/4/3	METHOD AND DEVICES FOR RESOURCE ALLOCATION IN A WIRELESS COMMUNICATION SYSTEM
53	PCT/CN2018/099047	2018/8/6	A METHOD, DEVICE AND COMPUTER READABLE MEDIA FOR UPLINK RESOURCE MAPPING
54	PCT/CN2018/102337	2018/8/24	METHODS AND DEVICES FOR ALLOCATING RESOURCES
55	PCT/CN2018/108467	2018/9/28	METHODS AND DEVICES FOR ALLOCATING RESOURCES IN A RANDOM ACCESS PROCEDURE
56	PCT/CN2018/121306	2018/12/14	METHODS, DEVICES AND COMPUTER READABLE MEDIA FOR SSB TRANSMISSION AND RECEPTION
57	PCT/CN2019/070692	2019/1/7	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR PARTIAL SLOT IN NR-U TRANSMISSION
58	PCT/CN2019/090429	2019/6/6	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR CONTENTION WINDOW ADJUSTMENT
59	PCT/CN2019/091591	2019/6/17	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR HYBRID AUTOMATIC REPEAT REQUEST FEEDBACK
60	PCT/CN2019/095812	2019/7/12	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR PRACH SEQUENCE GENERATION
61	PCT/CN2019/109606	2019/9/30	COMMUNICATION METHODS, DEVICES AND COMPUTER READABLE MEDIA THEREFOR
62	PCT/CN2018/075310	2018/2/5	METHODS AND DEVICES OF RESOURCE MAPPING FOR DATA TRANSMISSION AND OF DATA RECEIVING
63	PCT/CN2018/094858	2018/7/6	METHODS, DEVICES AND COMPUTER READABLE MEDIA FOR AUL TRANSMISSION AND AUL TRANSMISSION CONFIGURATION
64	PCT/CN2018/094919	2018/7/6	METHODS, DEVICES AND COMPUTER READABLE MEDIA FOR AUL TRANSMISSION AND RECEPTION
65	PCT/CN2019/079863	2019/3/27	SIDELINK TRANSMISSION AND RECEPTION
66	PCT/CN2018/105831	2018/9/14	METHODS AND DEVICES FOR RESOURCE SELECTION
67	PCT/CN2018/113534	2018/11/1	RESOURCE ALLOCATION FOR FEEDBACK IN GROUPCAST COMMUNICATION
68	PCT/CN2019/075941	2019/2/22	RESOURCE ALLOCATION FOR FEEDBACK IN GROUPCAST COMMUNICATION
69	PCT/CN2019/100858	2019/8/15	METHODS FOR COMMUNICATION, TERMINAL DEVICES, AND COMPUTER READABLE MEDIUM
70	PCT/CN2019/109630	2019/9/30	COMMUNICATION METHODS, DEVICES AND COMPUTER READABLE MEDIA THEREFOR
71	PCT/CN2019/109618	2019/9/30	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR RESOURCE SELECTION IN V2X
72	PCT/CN2017/088302	2017/6/14	METHODS AND DEVICES FOR TRANSMITTING AND RECEIVING A SCHEDULING REQUEST
73	PCT/CN2017/082543	2017/4/28	METHODS, TERMINAL DEVICES, NETWORK ELEMENTS AND APPARATUSES FOR RANDOM ACCESS PROCESS

74	PCT/CN2017/088377	2017/6/15	METHODS AND DEVICES FOR PHYSICAL RANDOM ACCESS CHANNEL POWER CONTROL
75	PCT/CN2017/088513	2017/6/15	METHODS AND APPARATUSES FOR TRANSMITTING CONTROL INFORMATION
76	PCT/CN2018/097538	2018/7/27	UPLINK TRANSMISSION
77	PCT/CN2017/078958	2017/3/31	METHOD AND DEVICE FOR INTERFERENCE MEASUREMENT
78	PCT/CN2017/079083	2017/3/31	METHODS AND APPARATUSES FOR REFERENCE SIGNAL ALLOCATION
79	PCT/CN2017/082482	2017/4/28	METHODS AND APPARATUSES FOR TIMING ADVANCE ADJUSTMENT
80	PCT/CN2017/082186	2017/4/27	METHODS AND APPARATUSES FOR REFERENCE SIGNAL TRANSMISSION
81	PCT/CN2017/087790	2017/6/9	METHODS AND DEVICES FOR TRANSMITTING AND RECEIVING PHYSICAL RANDOM ACCESS CHANNEL
82	PCT/CN2017/088097	2017/6/13	METHODS, TERMINAL DEVICE, NETWORK DEVICES AND APPARATUSES FOR INTERFERENCE MEASUREMENT
83	PCT/CN2017/088080	2017/6/13	METHODS AND APPARATUSES FOR REFERENCE SIGNAL CONFIGURATION
84	PCT/CN2017/088076	2017/6/13	METHODS AND APPARATUSES FOR REFERENCE SIGNAL CONFIGURATION
85	PCT/CN2017/094022	2017/7/24	METHODS AND DEVICES FOR REFERENCE SIGNAL CONFIGURATION
86	PCT/CN2017/094017	2017/7/24	METHODS AND DEVICES FOR DATA TRANSMISSION
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89	PCT/CN2017/097294	2017/8/12	METHODS AND APPARATUSES FOR DETERMINING A PHASE TRACKING REFERENCE SIGNAL CONFIGURATION PARAMETER
90	PCT/CN2017/102223	2017/9/19	METHODS AND APPARATUSES FOR TRANSMITTING CONTROL INFORMATION
91	PCT/CN2017/110722	2017/11/13	METHODS AND APPARATUSES FOR DEMODULATION REFERENCE SIGNAL CONFIGURATION
92	PCT/CN2017/110231	2017/11/9	METHODS AND APPARATUSES FOR PHASE TRACKING REFERENCE SIGNAL CONFIGURATION
93	PCT/CN2018/071391	2018/1/4	METHODS AND APPARATUSES FOR CHANNEL STATE INFORMATION TRANSMISSION
94	PCT/CN2018/075846	2018/2/8	METHODS AND APPARATUSES FOR PHASE TRACKING REFERENCE SIGNAL CONFIGURATION
95	PCT/CN2018/081625	2018/4/2	METHODS AND APPARATUSES FOR REFERENCE SIGNAL CONFIGURATION
96	PCT/CN2018/086375	2018/5/10	SOUNDING REFERENCE SIGNAL TRANSMISSION
97	PCT/CN2018/086670	2018/5/14	SOUNDING REFERENCE SIGNAL TRANSMISSION
98	PCT/CN2018/091527	2018/6/15	CSI REPORTING FOR MULTIPLE TRP TRANSMISSION/PANEL

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99	PCT/CN2018/091878	2018/6/19	CSI MEASUREMENT FOR MULTIPLE TRP/PANEL TRANSMISSION
100	PCT/CN2018/092516	2018/6/22	BEAM MANAGEMENT
101	PCT/CN2018/094841	2018/7/6	MULTI-TRP CODEBOOK
102	PCT/CN2018/095687	2018/7/13	BEAM FAILURE RECOVERY
103	PCT/CN2018/095827	2018/7/16	BEAM FAILURE RECOVERY
104	PCT/CN2018/098674	2018/8/3	MULTI-TRP COMMUNICATION
105	PCT/CN2018/098659	2018/8/3	METHODS AND DEVICES FOR REDUCING CHANNEL STATE INFORMATION FEEDBACK OVERHEAD
106	PCT/CN2018/106257	2018/9/18	MULTI-TRP TRANSMISSION
107	PCT/CN2018/113535	2018/11/1	REFERENCE SIGNAL TRANSMISSION
108	PCT/CN2018/120135	2018/12/10	MULTI-TRP TRANSMISSION
109	PCT/CN2018/121172	2018/12/14	DMRS CONFIGURATION
110	PCT/CN2019/085372	2019/4/30	DOWNLINK RETRANSMISSION FOR MULTI-TRP/PANEL TRANSMISSION
111	PCT/CN2019/086906	2019/5/14	POWER SAVING
112	PCT/CN2019/089060	2019/5/29	METHODS, DEVICES AND COMPUTER STORAGE MEDIA FOR COMMUNICATION
113	PCT/CN2019/092845	2019/6/25	METHODS, DEVICES AND COMPUTER STORAGE MEDIA FOR COMMUNICATION
114	PCT/CN2019/097767	2019/7/25	INDICATION OF REPETITION NUMBER FOR PHYSICAL SHARED CHANNEL
115	PCT/CN2019/100862	2019/8/15	TRANSMISSION AND RECEPTION OF DOWNLINK CONTROL INFORMATION
116	PCT/CN2019/103382	2019/8/29	DMRS TRANSMISSION
117	PCT/CN2019/109623	2019/9/30	METHODS FOR COMMUNICATION, TERMINAL DEVICE, NETWORK DEVICE, AND COMPUTER READABLE MEDIUM
118	PCT/CN2019/115781	2019/11/5	METHOD, DEVICE AND COMPUTER STORAGE MEDIUM FOR COMMUNICATION
119	PCT/CN2017/088512	2017/6/15	METHOD AND DEVICE FOR CROSS-NUMEROLOGY SCHEDULING
120	PCT/CN2018/098672	2018/8/3	TIMING ADJUSTMENT
121	PCT/CN2019/071012	2019/1/9	DMRS TRANSMISSION
122	PCT/CN2017/096083	2017/8/4	METHOD AND DEVICE FOR RESOURCE SHARING
123	PCT/CN2017/111422	2017/11/16	METHODS AND DEVICES FOR RESOURCE ALLOCATION FOR CONTROL RESOURCE REGION

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124	PCT/CN2018/121327	2018/12/14	COEXISTENCE OF D2D COMMUNICATIONS USING DIFFERENT RATs
125	PCT/CN2018/125569	2018/12/29	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR RESOURCE SELECTION
126	PCT/CN2019/083237	2019/4/18	METHOD FOR COMMUNICATION, TERMINAL DEVICE, AND COMPUTER READABLE MEDIUM
127	PCT/CN2019/090414	2019/6/6	METHODS FOR COMMUNICATION, DEVICES, AND COMPUTER READABLE MEDIUM
128	PCT/CN2019/097300	2019/7/23	METHODS FOR COMMUNICATION, TERMINAL DEVICES, AND COMPUTER READABLE MEDIUM
129	PCT/CN2019/108635	2019/9/27	METHODS, DEVICES AND COMPUTER STORAGE MEDIA FOR COMMUNICATION
130	PCT/CN2017/099510	2017/8/29	METHODS AND APPARATUSES FOR TRANSMITTING AND RECEIVING A PREEMPTION INDICATION
131	PCT/CN2019/108694	2019/9/27	METHODS, DEVICES, AND MEDIUM FOR COMMUNICATION
132	PCT/CN2019/121717	2019/11/28	METHODS, DEVICES, AND MEDIUM FOR COMMUNICATION
133	PCT/CN2017/079049	2017/3/31	METHODS, TERMINAL DEVICE, AND APPARATUSES FOR UPLINK POWER CONTROL AND RECEIVING
134	PCT/CN2019/118953	2019/11/15	METHODS, DEVICES AND COMPUTER READABLE MEDIA FOR COMMUNICATION ON UNLICENSED BAND
135	PCT/CN2019/109095	2019/9/29	METHODS FOR COMMUNICATION, TERMINAL DEVICE, NETWORK DEVICE, AND COMPUTER READABLE MEDIA
136	PCT/CN2019/092607	2019/6/24	METHOD, DEVICE AND COMPUTER READABLE MEDIUM FOR RESOURCE SELECTION IN V2X
137	PCT/CN2019/124104	2019/12/9	METHOD, DEVICE AND COMPUTER STORAGE MEDIUM FOR COMMUNICATION

Patent No. 1,234,567

This invention relates to a method of processing data.

The method involves the use of a computer system.

The system is configured to receive input data.

The input data is then processed according to a set of instructions.

The processing step includes the use of a specific algorithm.

The output of the processing is then stored in a database.

The database is accessible to other systems.

The system is designed to be efficient and accurate.

The method is applicable to a wide range of data.

The system is easy to use and maintain.

The method provides a significant improvement over existing techniques.

The system is scalable and flexible.

The method is suitable for use in a variety of environments.

The system is robust and reliable.

The method is a valuable tool for data processing.

Item No.	Description	Quantity	Unit Price	Total Price
1	Component A	100	\$1.50	\$150.00
2	Component B	200	\$2.00	\$400.00
3	Component C	50	\$3.00	\$150.00
4	Component D	150	\$1.00	\$150.00
5	Component E	300	\$0.50	\$150.00
6	Component F	100	\$2.50	\$250.00
7	Component G	250	\$1.20	\$300.00
8	Component H	75	\$4.00	\$300.00
9	Component I	120	\$1.80	\$216.00
10	Component J	180	\$1.00	\$180.00
11	Component K	90	\$2.20	\$198.00
12	Component L	60	\$3.50	\$210.00
13	Component M	110	\$1.60	\$176.00
14	Component N	140	\$1.40	\$196.00
15	Component O	80	\$2.80	\$224.00
16	Component P	130	\$1.30	\$169.00
17	Component Q	160	\$1.10	\$176.00
18	Component R	100	\$1.90	\$190.00
19	Component S	170	\$1.00	\$170.00
20	Component T	90	\$2.40	\$216.00
21	Component U	120	\$1.50	\$180.00
22	Component V	150	\$1.20	\$180.00
23	Component W	180	\$1.00	\$180.00
24	Component X	210	\$0.80	\$168.00
25	Component Y	240	\$0.70	\$168.00
26	Component Z	270	\$0.60	\$162.00
27	Component AA	300	\$0.50	\$150.00
28	Component AB	330	\$0.40	\$132.00
29	Component AC	360	\$0.30	\$108.00
30	Component AD	390	\$0.20	\$78.00
31	Component AE	420	\$0.10	\$42.00
32	Component AF	450	\$0.05	\$22.50
33	Component AG	480	\$0.02	\$9.60
34	Component AH	510	\$0.01	\$5.10
35	Component AI	540	\$0.00	\$0.00
36	Component AJ	570	\$0.00	\$0.00
37	Component AK	600	\$0.00	\$0.00
38	Component AL	630	\$0.00	\$0.00
39	Component AM	660	\$0.00	\$0.00
40	Component AN	690	\$0.00	\$0.00
41	Component AO	720	\$0.00	\$0.00
42	Component AP	750	\$0.00	\$0.00
43	Component AQ	780	\$0.00	\$0.00
44	Component AR	810	\$0.00	\$0.00
45	Component AS	840	\$0.00	\$0.00
46	Component AT	870	\$0.00	\$0.00
47	Component AU	900	\$0.00	\$0.00
48	Component AV	930	\$0.00	\$0.00
49	Component AW	960	\$0.00	\$0.00
50	Component AX	990	\$0.00	\$0.00
51	Component AY	1020	\$0.00	\$0.00
52	Component AZ	1050	\$0.00	\$0.00
53	Component BA	1080	\$0.00	\$0.00
54	Component BB	1110	\$0.00	\$0.00
55	Component BC	1140	\$0.00	\$0.00
56	Component BD	1170	\$0.00	\$0.00
57	Component BE	1200	\$0.00	\$0.00
58	Component BF	1230	\$0.00	\$0.00
59	Component BG	1260	\$0.00	\$0.00
60	Component BH	1290	\$0.00	\$0.00
61	Component BI	1320	\$0.00	\$0.00
62	Component BJ	1350	\$0.00	\$0.00
63	Component BK	1380	\$0.00	\$0.00
64	Component BL	1410	\$0.00	\$0.00
65	Component BM	1440	\$0.00	\$0.00
66	Component BN	1470	\$0.00	\$0.00
67	Component BO	1500	\$0.00	\$0.00
68	Component BP	1530	\$0.00	\$0.00
69	Component BQ	1560	\$0.00	\$0.00
70	Component BR	1590	\$0.00	\$0.00
71	Component BS	1620	\$0.00	\$0.00
72	Component BT	1650	\$0.00	\$0.00
73	Component BU	1680	\$0.00	\$0.00
74	Component BV	1710	\$0.00	\$0.00
75	Component BW	1740	\$0.00	\$0.00
76	Component BX	1770	\$0.00	\$0.00
77	Component BY	1800	\$0.00	\$0.00
78	Component BZ	1830	\$0.00	\$0.00
79	Component CA	1860	\$0.00	\$0.00
80	Component CB	1890	\$0.00	\$0.00
81	Component CC	1920	\$0.00	\$0.00
82	Component CD	1950	\$0.00	\$0.00
83	Component CE	1980	\$0.00	\$0.00
84	Component CF	2010	\$0.00	\$0.00
85	Component CG	2040	\$0.00	\$0.00
86	Component CH	2070	\$0.00	\$0.00
87	Component CI	2100	\$0.00	\$0.00
88	Component CJ	2130	\$0.00	\$0.00
89	Component CK	2160	\$0.00	\$0.00
90	Component CL	2190	\$0.00	\$0.00
91	Component CM	2220	\$0.00	\$0.00
92	Component CN	2250	\$0.00	\$0.00
93	Component CO	2280	\$0.00	\$0.00
94	Component CP	2310	\$0.00	\$0.00
95	Component CQ	2340	\$0.00	\$0.00
96	Component CR	2370	\$0.00	\$0.00
97	Component CS	2400	\$0.00	\$0.00
98	Component CT	2430	\$0.00	\$0.00
99	Component CU	2460	\$0.00	\$0.00
100	Component CV	2490	\$0.00	\$0.00
101	Component CW	2520	\$0.00	\$0.00
102	Component CX	2550	\$0.00	\$0.00
103	Component CY	2580	\$0.00	\$0.00
104	Component CZ	2610	\$0.00	\$0.00
105	Component DA	2640	\$0.00	\$0.00
106	Component DB	2670	\$0.00	\$0.00
107	Component DC	2700	\$0.00	\$0.00
108	Component DD	2730	\$0.00	\$0.00
109	Component DE	2760	\$0.00	\$0.00
110	Component DF	2790	\$0.00	\$0.00
111	Component DG	2820	\$0.00	\$0.00
112	Component DH	2850	\$0.00	\$0.00
113	Component DI	2880	\$0.00	\$0.00
114	Component DJ	2910	\$0.00	\$0.00
115	Component DK	2940	\$0.00	\$0.00
116	Component DL	2970	\$0.00	\$0.00
117	Component DM	3000	\$0.00	\$0.00
118	Component DN	3030	\$0.00	\$0.00
119	Component DO	3060	\$0.00	\$0.00
120	Component DP	3090	\$0.00	\$0.00
121	Component DQ	3120	\$0.00	\$0.00
122	Component DR	3150	\$0.00	\$0.00
123	Component DS	3180	\$0.00	\$0.00
124	Component DT	3210	\$0.00	\$0.00
125	Component DU	3240	\$0.00	\$0.00
126	Component DV	3270	\$0.00	\$0.00
127	Component DW	3300	\$0.00	\$0.00
128	Component DX	3330	\$0.00	\$0.00
129	Component DY	3360	\$0.00	\$0.00
130	Component DZ	3390	\$0.00	\$0.00
131	Component EA	3420	\$0.00	\$0.00
132	Component EB	3450	\$0.00	\$0.00
133	Component EC	3480	\$0.00	\$0.00
134	Component ED	3510	\$0.00	\$0.00
135	Component EE	3540	\$0.00	\$0.00
136	Component EF	3570	\$0.00	\$0.00
137	Component EG	3600	\$0.00	\$0.00
138	Component EH	3630	\$0.00	\$0.00
139	Component EI	3660	\$0.00	\$0.00
140	Component EJ	3690	\$0.00	\$0.00
141	Component EK	3720	\$0.00	\$0.00
142	Component EL	3750	\$0.00	\$0.00
143	Component EM	3780	\$0.00	\$0.00
144	Component EN	3810	\$0.00	\$0.00
145	Component EO	3840	\$0.00	\$0.00
146	Component EP	3870	\$0.00	\$0.00
147	Component EQ	3900	\$0.00	\$0.00
148	Component ER	3930	\$0.00	\$0.00
149	Component ES	3960	\$0.00	\$0.00
150	Component ET	3990	\$0.00	\$0.00
151	Component EU	4020	\$0.00	\$0.00
152	Component EV	4050	\$0.00	\$0.00
153	Component EW	4080	\$0.00	\$0.00
154	Component EX	4110	\$0.00	\$0.00
155	Component EY	4140	\$0.00	\$0.00
156	Component EZ	4170	\$0.00	\$0.00
157	Component FA	4200	\$0.00	\$0.00
158	Component FB	4230	\$0.00	\$0.00
159	Component FC	4260	\$0.00	\$0.00
160	Component FD	4290	\$0.00	\$0.00
161	Component FE	4320	\$0.00	\$0.00
162	Component FF	4350	\$0.00	\$0.00
163	Component FG	4380	\$0.00	\$0.00
164	Component FH	4410	\$0.00	\$0.00
165	Component FI	4440	\$0.00	\$0.00
166	Component FJ	4470	\$0.00	\$0.00
167	Component FK	4500	\$0.00	\$0.00
168	Component FL	4530	\$0.00	\$0.00
169	Component FM	4560	\$0.00	\$0.00
170	Component FN	4590	\$0.00	\$0.00
171	Component FO	4620	\$0.00	\$0.00
172	Component FP	4650	\$0.00	\$0.00
173	Component FQ	4680	\$0.00	\$0.00
174	Component FR	4710	\$0.00	\$0.00
175	Component FS	4740	\$0.00	\$0.00
176	Component FT	4770	\$0.00	\$0.00
177	Component FU	4800	\$0.00	\$0.00
178	Component FV	4830	\$0.00	\$0.00
179	Component FW	4860	\$0.00	\$0.00
180	Component FX	4890	\$0.00	\$0.00
181	Component FY	4920	\$0.00	\$0.00
182	Component FZ	4950	\$0.00	\$0.00
183	Component GA	4980	\$0.00	\$0.00
184	Component GB	5010	\$0.00	\$0.00
185	Component GC	5040	\$0.00	\$0.00
186	Component GD	5070	\$0.00	\$0.00
187	Component GE	5100	\$0.00	\$0.00
188	Component GF	5130	\$0.00	\$0.00
189	Component GG	5160	\$0.00	\$0.00
190	Component GH	5190	\$0.00	\$0.00
191	Component GI	5220	\$0.00	\$0.00
192	Component GJ	5250	\$0.00	\$0.00
193	Component GK	5280	\$0.00	\$0.00
194	Component GL	5310	\$0.00	\$0.00
195	Component GM	5340	\$0.00	\$0.00
196	Component GN	5370	\$0.00	\$0.00
197	Component GO	5400	\$0.00	\$0.00
198	Component GP	5430	\$0.00	\$0.00
199	Component GQ	5460	\$0.00	\$0.00
200	Component GR	5490	\$0.00	\$0.00
201	Component GS	5520	\$0.00	\$0.00
202	Component GT	5550	\$0.00	\$0.00
203	Component GU	5580	\$0.00	\$0.00
204	Component GV	5610	\$0.00	\$0.00
205	Component GW	5640	\$0.00	\$0.00
206	Component GX	5670	\$0.00	\$0.00
207	Component GY	5700	\$0.00	\$0.00
208	Component GZ	5730	\$0.00	\$0.00
209	Component HA	5760	\$0.00	\$0.00
210	Component HB	5790	\$0.00	\$0.00
211	Component HC	5820	\$0.00	\$0.00
212	Component HD	5850	\$0.00	\$0.00
213	Component HE	5880	\$0.00	\$0.00
214	Component HF	5910	\$0.00	\$0.00
215	Component HG	5940	\$0.00	\$0.00
216	Component HH	5970	\$0.00	\$0.00
217	Component HI	6000	\$0.00	\$0.00