

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	02/14/2020
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17186285
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
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<b>Phone:</b>	19175283802
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<b>DATE SIGNED:</b>	06/02/2021
<b>Total Attachments: 7</b>	
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ASSIGNMENT OF PATENT RIGHTS

专利权转让书

Assignor: Beijing Didi Infinity Technology and Development Co., Ltd.  
Address: Building 34, No. 8 Dongbeiwang West Road, Haidian District, Beijing,  
China 100193

转让方: 北京嘀嗒无限科技发展有限公司  
地址: 北京市海淀区东北旺西路八号院 34 号楼, 100193

Assignee: Beijing Voyager Technology Co., Ltd.  
Address: No. 218, 2nd Floor, Building 34, No. 8 Dongbeiwang West Road, Haidian  
District, Beijing, China 100193

受让方: 北京航迹科技有限公司  
地址: 北京市海淀区东北旺西路八号院 34 号楼二层 218 号, 100193

For the good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer, and convey unto the Assignee, all right, title, and interest in and to the provisional patent applications, patent applications and/or patents listed in *Exhibit A* as well as the patent applications and/or patents claiming priority therefrom (combined as the "Patents").

鉴于有效的有价约因, 现双方达成一致并立约如下: 转让方在此向受让方售卖、转让 *附件 A* 所列的临时申请、专利申请和/或专利以及由此要求优先权的专利申请和/或专利 (统称 "专利") 的所有权益。

Assignor shall, when requested by Assignee, execute all rightful oaths, assignments, and powers of attorney, and all other papers necessary and proper to carry out the intent and purposes of this Assignment of the Patents.

一经受让方要求, 转让方应签署所有合法的宣誓书、转让文件和授权书, 以及所有其它必要且适当的文件, 以实现本专利转让。

Assignor authorizes and requests the empowered officials of intellectual property offices in each country, region or international entity to issue or transfer all said Patent Rights to ASSIGNEE, as ASSIGNEE of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct.

转让方授权并要求各个国家、地区和国际机构的知识产权局的授权官员向受让方颁发或转让所有上述专利权, 并将其作为专利权全部权益的受让方, 或按照受让方可能指示的其它方式。

IN TESTIMONY WHEREOF, we have hereunto executed this Assignment this 14<sup>th</sup> day of February, 2020.

本转让合同双方于 2020 年 2 月 14 日签订, 特此为证。

Beijing Didi Infinity Technology and  
Development Co., Ltd.  
北京嘀嘀无限科技发展有限公司



By: CAI, Jian  
签名: \_\_\_\_\_

Name: CAI, Jian 采健  
姓名: \_\_\_\_\_

Title: IP Director 知识产权总监  
职位: \_\_\_\_\_

Signature of  
Witness: WANG Ming 王明  
见证人签名: \_\_\_\_\_

Name of  
Witness: WANG, Ming 王明  
见证人姓名: \_\_\_\_\_

Date: 14 Feb. 2020  
日期: 2020年2月14日  
\_\_\_\_\_

Beijing Voyager Technology Co., Ltd.  
北京航迹技术有限公司



By: Wei Junqing  
签名: \_\_\_\_\_

Name: WEI, Junqing 韦峻青  
姓名: \_\_\_\_\_

Title: CTO 首席技术官  
职位: \_\_\_\_\_

Signature of  
Witness: MENG Xing  
见证人签名: \_\_\_\_\_

Name of  
Witness: MENG, Xing 孟醒  
见证人姓名: \_\_\_\_\_

Date: 14 Feb. 2020  
日期: 2020年2月14日  
\_\_\_\_\_

Exhibit A  
附件 A

PATENTS ASSIGNED BY BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD  
北京嘀嗒无限科技发展有限公司专利转让

No. 编号	Title 标题	Application No. 申请号	Country/Entity/Region 国家/实体/地区
1	SYSTEMS AND METHODS FOR SWITCHING DRIVING MODE OF VEHICLE	PCT/CN2017/091011	WO
2	SYSTEMS AND METHODS FOR TRAJECTORY DETERMINATION	PCT/CN2017/092714	WO
3	METHODS AND SYSTEMS FOR DETECTING ENVIRONMENTAL INFORMATION OF A VEHICLE	PCT/CN2017/099173	WO
4	SYSTEMS AND METHODS FOR BRAKING CONTROL	PCT/CN2017/105818	WO
5	SYSTEMS AND METHODS FOR IDENTIFYING AND POSITIONING OBJECTS AROUND A VEHICLE	PCT/CN2017/115491	WO
6	SYSTEMS AND METHODS FOR PATH DETERMINATION	PCT/CN2017/120190	WO
7	SYSTEMS AND METHODS FOR SWITCHING A DRIVING MODE OF A VEHICLE	107122462	TW
8	SYSTEMS AND METHODS FOR TRAJECTORY DETERMINATION	107124074	TW
9	METHODS AND SYSTEMS FOR DETECTING ENVIRONMENTAL INFORMATION OF A VEHICLE	107129629	TW
10	SYSTEMS AND METHODS FOR BRAKING CONTROL	107135981	TW
11	用于确定轨迹的系统和方法	2017800327763	CN
12	用于切换车辆驾驶模式的系统和方法	2017800343094	CN
13	用于检测车辆环境信息的方法和系统	2017800336953	CN
14	SYSTEMS AND METHODS FOR SWITCHING DRIVING MODE OF VEHICLE	2017416079	AU
15	METHODS AND SYSTEMS FOR DETECTING ENVIRONMENTAL INFORMATION OF A VEHICLE	2017417170	AU
16	METHODS AND SYSTEMS FOR DETECTING ENVIRONMENTAL INFORMATION OF A VEHICLE	3026667	CA
17	SYSTEMS AND METHODS FOR SWITCHING DRIVING MODE OF VEHICLE	3026666	CA
18	METHODS AND SYSTEMS FOR DETECTING ENVIRONMENTAL INFORMATION OF A VEHICLE	2018564348	JP
19	SYSTEMS AND METHODS FOR SWITCHING DRIVING MODE OF VEHICLE	2018564230	JP
20	SYSTEMS AND METHODS FOR BRAKING CONTROL	2018564801	JP
21	SYSTEMS AND METHODS FOR BRAKING CONTROL	2017418042	AU
22	SYSTEMS AND METHODS FOR IDENTIFYING AND POSITIONING OBJECTS AROUND A VEHICLE	107144499	TW
23	SYSTEMS AND METHODS FOR BRAKING CONTROL	3027295	CA
24	SYSTEMS AND METHODS FOR TRAJECTORY DETERMINATION	2017418043	AU

No. 编号	Title 标题	Application No. 申请号	Country/Entity/Region 国家/实体/地区
25	SYSTEMS AND METHODS FOR TRAJECTORY DETERMINATION	3027627	CA
26	用于制动控制的系统和方法	2017800362837	CN
27	SYSTEMS AND METHODS FOR TRAJECTORY DETERMINATION	2018565872	JP
28	用于自动驾驶的系统和方法	201811547279X	CN
29	处理交通目标的系统和方法	2018115483520	CN
30	用于确定自动驾驶中的驾驶路径的系统和方法	2018115481587	CN
31	用于确定自动驾驶中的驾驶动作的系统和方法	2018115479267	CN
32	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	PCT/CN2018/122097	WO
33	SYSTEMS AND METHODS FOR PROCESSING TRAFFIC OBJECTS	PCT/CN2018/122111	WO
34	SYSTEMS AND METHODS FOR DETERMINING DRIVING PATH IN AUTONOMOUS DRIVING	PCT/CN2018/123102	WO
35	SYSTEMS AND METHODS FOR DETERMINING DRIVING ACTION IN AUTONOMOUS DRIVING	PCT/CN2018/122072	WO
36	SYSTEMS AND METHODS FOR PATH DETERMINATION	107146733	TW
37	SYSTEMS AND METHODS FOR DETERMINING DRIVING PATH IN AUTONOMOUS DRIVING	107146734	TW
38	SYSTEMS AND METHODS FOR DETERMINING DRIVING ACTION IN AUTONOMOUS DRIVING	107146735	TW
39	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	107146889	TW
40	SYSTEMS AND METHODS FOR PROCESSING TRAFFIC OBJECTS	107146888	TW
41	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	16232037	US
42	SYSTEMS AND METHODS FOR DETERMINING DRIVING PATH IN AUTONOMOUS DRIVING	16232034	US
43	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	2018567861	JP
44	SYSTEMS AND METHODS FOR DETERMINING DRIVING PATH IN AUTONOMOUS DRIVING	2018567920	JP
45	SYSTEMS AND METHODS FOR IDENTIFYING AND POSITIONING OBJECTS AROUND A VEHICLE	2017421870	AU
46	SYSTEMS AND METHODS FOR PATH DETERMINATION	2017421869	AU
47	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	2018286585	AU
48	SYSTEMS AND METHODS FOR PROCESSING TRAFFIC OBJECTS	2018286593	AU
49	SYSTEMS AND METHODS FOR DETERMINING DRIVING PATH IN AUTONOMOUS DRIVING	2018286588	AU
50	一种路径确定的系统和方法	2018116157608	CN
51	SYSTEMS AND METHODS FOR PATH DETERMINATION	2018568326	JP

No. 编号	Title 标题	Application No. 申请号	Country/Entity/Region 国家/实体地区
52	SYSTEMS AND METHODS FOR PROCESSING TRAFFIC OBJECTS	2018568213	JP
53	SYSTEMS AND METHODS FOR DETERMINING DRIVING ACTION IN AUTONOMOUS DRIVING	2018568931	JP
54	SYSTEMS AND METHODS FOR DETERMINING DRIVING ACTION IN AUTONOMOUS DRIVING	16234007	US
55	SYSTEMS AND METHODS FOR PATH DETERMINATION	2018286612	AU
56	SYSTEMS AND METHODS FOR DETERMINING DRIVING ACTION IN AUTONOMOUS DRIVING	2018286610	AU
57	SYSTEMS AND METHODS FOR IDENTIFYING AND POSITIONING OBJECTS AROUND A VEHICLE	3028659	CA
58	SYSTEMS AND METHODS FOR PATH DETERMINATION	3028642	CA
59	SYSTEMS AND METHODS FOR PATH DETERMINATION	3028703	CA
60	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	3028692	CA
61	SYSTEMS AND METHODS FOR PROCESSING TRAFFIC OBJECTS	3028647	CA
62	SYSTEMS AND METHODS FOR DETERMINING DRIVING PATH IN AUTONOMOUS DRIVING	3028601	CA
63	SYSTEMS AND METHODS FOR DETERMINING DRIVING ACTION IN AUTONOMOUS DRIVING	3028645	CA
64	SYSTEMS AND METHODS FOR IDENTIFYING AND POSITIONING OBJECTS AROUND A VEHICLE	2018569058	JP
65	SYSTEMS AND METHODS FOR PATH DETERMINATION	2018569055	JP
66	SYSTEMS AND METHODS FOR PATH DETERMINATION	107147870	TW
67	SYSTEMS AND METHODS FOR PATH DETERMINATION	16236281	US
68	SYSTEMS AND METHODS FOR TRAJECTORY DETERMINATION	16236313	US
69	SYSTEMS AND METHODS FOR IDENTIFYING AND POSITIONING OBJECTS AROUND A VEHICLE	16234701	US
70	SYSTEMS AND METHODS FOR BRAKING CONTROL	16236279	US
71	SYSTEMS AND METHODS FOR PATH DETERMINATION	PCT/CN2018/124540	WO
72	数据处理方法和系统	2018116473893	CN
73	用于数据传输和存储的系统和方法	2018116541570	CN
74	用于路线确定的系统和方法	2017800412427	CN
75	METHODS AND SYSTEMS FOR DETECTING ENVIRONMENTAL INFORMATION OF A VEHICLE	16236481	US
76	SYSTEMS AND METHODS FOR SWITCHING A DRIVING MODE OF A VEHICLE	16236457	US
77	SYSTEMS AND METHODS FOR PATH DETERMINATION	16236527	US

No. 编号	Title 标题	Application No. 申请号	Country/Entity/Region 国家/实体/地区
78	SYSTEMS AND METHODS FOR PROCESSING TRAFFIC OBJECTS	16236529	US
79	SYSTEMS AND METHODS FOR DATA MANAGEMENT	PCT/CN2018/125975	WO
80	SYSTEMS AND METHODS FOR DATA TRANSFER AND STORAGE	PCT/CN2019/071128	WO
81	用于车辆的时间同步系统和方法	2019102513137	CN
82	SYSTEMS AND METHODS FOR TIME SYNCHRONIZATION	PCT/CN2019/080969	WO
83	SYSTEMS AND METHODS FOR DATA STORAGE	PCT/CN2019/082113	WO
84	SYSTEMS AND METHODS FOR MONITORING A VEHICLE	PCT/CN2019/091185	WO
85	SYSTEMS AND METHODS FOR DATA PROCESSING	PCT/CN2019/091477	WO
86	SYSTEMS AND METHODS FOR CONTROLLING AUTONOMOUS VEHICLE IN REAL TIME	PCT/CN2019/091506	WO
87	车载激光雷达支架	2018300623641	CN
88	一种定位系统和方法	2019102798593	CN
89	SYSTEMS AND METHODS FOR POSITIONING	PCT/CN2019/085637	WO
90	SYSTEMS AND METHODS FOR POSITIONING	PCT/CN2019/095816	WO
91	用于定位的系统和方法	2019300010409	CN
92	POSITIONING SYSTEMS AND METHODS	PCT/CN2019/097609	WO
93	SYSTEMS AND METHODS FOR POSE DETERMINATION	PCT/CN2019/097611	WO
94	SYSTEMS AND METHODS FOR POSITIONING A TARGET SUBJECT	PCT/CN2019/102566	WO
95	SYSTEMS AND METHODS FOR POSITIONING A TARGET SUBJECT	PCT/CN2019/102831	WO
96	METHODS AND SYSTEMS FOR IMPROVED IMAGE ENCODING	PCT/CN2019/103949	WO
97	REDUNDANCY STRUCTURE FOR AUTONOMOUS DRIVING SYSTEM	PCT/CN2019/104224	WO
98	SYSTEMS AND METHODS FOR DRIVING MODE SWITCHING IN AUTONOMOUS DRIVING	PCT/CN2019/104176	WO
99	SYSTEMS AND METHODS FOR POSITIONING	PCT/CN2019/105025	WO
100	一种定位系统和方法	2019300016424	CN
101	SYSTEMS AND METHODS FOR CALIBRATING A CAMERA AND A MULTI-LINE LIDAR	PCT/CN2019/106348	WO
102	SYSTEMS AND METHODS FOR GENERATING POSE GRAPH	PCT/CN2019/106786	WO
103	SYSTEMS AND METHODS FOR CALIBRATING AN INERTIAL MEASUREMENT UNIT AND A CAMERA	PCT/CN2019/107171	WO
104	SYSTEMS AND METHODS FOR CALIBRATING A CAMERA AND A LIDAR	PCT/CN2019/107224	WO
105	用于标定惯性测试单元和相机的系统和方法	2019300018129	CN
106	SYSTEMS AND METHODS FOR JOINTLY PREDICTING TRAJECTORIES OF MULTIPLE MOVING OBJECTS	PCT/CN2019/109331	WO
107	SYSTEMS AND METHODS FOR AUTOMATIC LABELING OF OBJECTS IN 3D POINT CLOUDS	PCT/CN2019/109323	WO

No. 编号	Title 标题	Application No. 申请号	Country/Entity/Region 国家/实体地区
108	SYSTEMS AND METHODS FOR PREDICTING A BICYCLE TRAJECTORY	PCT/CN2019/109350	WO
109	SYSTEMS AND METHODS FOR PREDICTING A PEDESTRIAN MOVEMENT TRAJECTORY	PCT/CN2019/109352	WO
110	SYSTEMS AND METHODS FOR PREDICTING A VEHICLE TRAJECTORY	PCT/CN2019/109354	WO
111	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	PCT/CN2019/112654	WO
112	SYSTEMS AND METHODS FOR AUTONOMOUS DRIVING	PCT/CN2019/112648	WO
113	用于自动驾驶的系统和方法	2019800029631	CN
114	内饰控制面板 (1)	2019304532966	CN
115	内饰控制面板 (2)	2019304532970	CN
116	激光雷达传感器套件	2019304537705	CN
117	车载激光雷达装置	2019304533117	CN