

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6025278

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VOYAGER (HK) CO., LTD.	03/18/2020

RECEIVING PARTY DATA

Name:	BEIJING VOYAGER TECHNOLOGY CO., LTD.
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State/Country:	CHINA

PROPERTY NUMBERS Total: 37

Property Type	Number
Application Number:	62786290
Application Number:	62786262
Application Number:	62786278
Application Number:	16236123
PCT Number:	US2018068043
Application Number:	16236182
PCT Number:	US2018068044
Application Number:	16236146
PCT Number:	US2018068038
Application Number:	16236119
PCT Number:	US2018068031
Application Number:	62786267
Application Number:	62786261
PCT Number:	US2018068035
Application Number:	16236109
PCT Number:	US2018068030
Application Number:	16236077
PCT Number:	US2018068034
Application Number:	16236150
PCT Number:	US2018068041
Application Number:	16236092

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Property Type	Number
PCT Number:	US2018068037
Application Number:	16236084
PCT Number:	US2018067531
Application Number:	16232402
Application Number:	16232812
PCT Number:	US2018067556
PCT Number:	US2018067555
Application Number:	16232693
PCT Number:	US2018067547
Application Number:	16232472
Application Number:	16727642
PCT Number:	US2019068596
Application Number:	16727621
PCT Number:	US2019068606
Application Number:	16727665
PCT Number:	US2019068599

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SIGNATURE: /Vikas Bhargava/

DATE SIGNED: 03/20/2020

Total Attachments: 4

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Exhibit A

CONFIRMATORY ASSIGNMENT

WHEREAS, Voyager (HK) Co., Ltd. ("*Assignor*") was the sole and exclusive owner of the patents and patent applications listed in Schedule A attached hereto (collectively referred to as "*Patents*");

WHEREAS, Beijing Voyager Technology Co., Ltd. ("*Assignee*") has acquired from Assignor the entire right, title, and interest in and to the Patents ("*Assigned Patent Rights*"); and

WHEREAS, Assignor and Assignee desire to confirm that the entire right, title, and interest in and to the Patents have been assigned to Assignee.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that Assignor has sold, assigned, transferred and conveyed to Assignee all right, title, and interest in and to the Patents, including all reissues, reexaminations, extensions, continuations, continuation-in-part, continuing prosecution applications, provisionals and divisions of such Patents, and any patents or patent applications which claim priority to any of the foregoing, and all foreign counterparts of and rights to claim priority from the foregoing, whether or not listed on Schedule A.

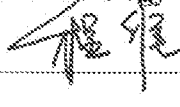
Assignor

Assignee

Voyager (HK) Co., Ltd.

Beijing Voyager Technology Co., Ltd.

By: 

By: 

Name: CHENG Wei

Name: CHENG Wei

Title: Director

Title: Legal Representative

Date: 03.18.2020

Date: 03.18.2020

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REEL: 052182 FRAME: 0309

Schedule A

#	Patent Name	Patent No.	Applicant	Origin Office	Type of Patent	Filing Date
1	DISTRIBUTED SYSTEM TASK MANAGEMENT USING A SIMULATED CLOCK	62/786,290	Didi Research	US	US-Provisional	2018/12/28
2	DISTRIBUTED SYSTEM EXECUTION USING A SERIAL TIMELINE	62/786,262	Didi Research	US	US-Provisional	2018/12/28
3	ARCHITECTURE FOR SIMULATION OF DISTRIBUTED SYSTEMS	62/786,278	Didi Research	US	US-Provisional	2018/12/28
4	READING MESSAGES IN A SHARED MEMORY ARCHITECTURE FOR A VEHICLE	16/236,123	Didi Research	US	US-Non-Provisional	2018/12/28
5	READING MESSAGES IN A SHARED MEMORY ARCHITECTURE FOR A VEHICLE	PCT/US2018/068043	Didi Research	US	PCT	2018/12/28
6	WRITING MESSAGES IN A SHARED MEMORY ARCHITECTURE FOR A VEHICLE	16/236,182	Didi Research	US	US-Non-Provisional	2018/12/28
7	WRITING MESSAGES IN A SHARED MEMORY ARCHITECTURE FOR A VEHICLE	PCT/US2018/068044	Didi Research	US	PCT	2018/12/28
8	MESSAGE BUFFER FOR COMMUNICATING INFORMATION BETWEEN VEHICLE COMPONENTS	16/236,146	Didi Research	US	US-Non-Provisional	2018/12/28
9	MESSAGE BUFFER FOR COMMUNICATING INFORMATION BETWEEN VEHICLE COMPONENTS	PCT/US2018/068038	Didi Research	US	PCT	2018/12/28
10	SHARED MEMORY ARCHITECTURE FOR A VEHICLE	16/236,119	Didi Research	US	US-Non-Provisional	2018/12/28
11	SHARED MEMORY ARCHITECTURE FOR A VEHICLE	PCT/US2018/068031	Didi Research	US	PCT	2018/12/28
12	SYSTEM AND METHOD FOR REMOTE INTERVENTION OF VEHICLES	62/786,267	Didi Research	US	US-Provisional	2018/12/28
13	SYSTEM AND METHOD FOR UPDATING VEHICLE OPERATION BASED ON REMOTE INTERVENTION	62/786,261	Didi Research	US	US-Provisional	2018/12/28

#	Patent Name	Patent No.	Applicant	Origin Office	Type of Patent	Filing Date
14	VEHICLE-BASED VIRTUAL STOP AND YIELD LINE DETECTION	PCT/US2018/068035	Didi Research	US	PCT	2018/12/28
15	VEHICLE-BASED VIRTUAL STOP AND YIELD LINE DETECTION	16/236,109	Didi Research	US	US-Non-Provisional	2018/12/28
16	VEHICLE-PROVIDED VIRTUAL STOP AND YIELD LINE CLUSTERING	PCT/US2018/068030	Didi Research	US	PCT	2018/12/28
17	VEHICLE-PROVIDED VIRTUAL STOP AND YIELD LINE CLUSTERING	16/236,077	Didi Research	US	US-Non-Provisional	2018/12/28
18	MAP EDITING USING VEHICLE-PROVIDED DATA	PCT/US2018/068034	Didi Research	US	PCT	2018/12/28
19	MAP EDITING USING VEHICLE-PROVIDED DATA	16/236,150	Didi Research	US	US-Non-Provisional	2018/12/28
20	ON-BOARD VEHICLE STOP CAUSE DETERMINATION SYSTEM	PCT/US2018/068041	Didi Research	US	PCT	2018/12/28
21	ON-BOARD VEHICLE STOP CAUSE DETERMINATION SYSTEM	16/236,092	Didi Research	US	US-Non-Provisional	2018/12/28
22	VEHICLE-BASED ROAD OBSTACLE IDENTIFICATION SYSTEM	PCT/US2018/068037	Didi Research	US	PCT	2018/12/28
23	VEHICLE-BASED ROAD OBSTACLE IDENTIFICATION SYSTEM	16/236,084	Didi Research	US	US-Non-Provisional	2018/12/28
24	SYSTEMS AND METHODS FOR SAFE ROUTE PLANNING FOR A VEHICLE	PCT/US2018/067531	Didi Research	US	PCT	2018/12/26
25	SYSTEMS AND METHODS FOR SAFE ROUTE PLANNING FOR A VEHICLE	16/232,402	Didi Research	US	US-Non-Provisional	2018/12/26
26	SYSTEMS AND METHODS FOR LOADING OBJECT GEOMETRY DATA ON A VEHICLE	16/232,812	Didi Research	US	US-Non-Provisional	2018/12/26
27	SYSTEMS AND METHODS FOR LOADING OBJECT GEOMETRY DATA ON A VEHICLE	PCT/US2018/067556	Didi Research	US	PCT	2018/12/26
28	SYSTEMS AND METHODS FOR LOADING AND TRACKING MAPS ON A VEHICLE	PCT/US2018/067555	Didi Research	US	PCT	2018/12/26

#	Patent Name	Patent No.	Applicant	Origin Office	Type of Patent	Filing Date
29	SYSTEMS AND METHODS FOR LOADING AND TRACKING MAPS ON A VEHICLE	16/232,693	Didi Research	US	US-Non-Provisional	2018/12/26
30	SYSTEMS AND METHODS FOR VEHICLE TELEMETRY	PCT/US2018/067547	Didi Research	US	PCT	2018/12/26
31	SYSTEMS AND METHODS FOR VEHICLE TELEMETRY	16/232,472	Didi Research	US	US-Non-Provisional	2018/12/26
32	ARCHITECTURE FOR SIMULATION OF DISTRIBUTED SYSTEMS	16/727,642	Didi Research	US	US-Non-Provisional	2019/12/26
33	ARCHITECTURE FOR SIMULATION OF DISTRIBUTED SYSTEMS	PCT/US2019/068596	Didi Research	US	PCT	2019/12/26
34	DISTRIBUTED SYSTEM EXECUTION USING A SERIAL TIMELINE	16/727,621	Didi Research	US	US-Non-Provisional	2019/12/26
35	DISTRIBUTED SYSTEM EXECUTION USING A SERIAL TIMELINE	PCT/US2019/068606	Didi Research	US	PCT	2019/12/26
36	DISTRIBUTED SYSTEM TASK MANAGEMENT USING A SIMULATED CLOCK	16/727,665	Didi Research	US	US-Non-Provisional	2019/12/26
37	DISTRIBUTED SYSTEM TASK MANAGEMENT USING A SIMULATED CLOCK	PCT/US2019/068599	Didi Research	US	PCT	2019/12/26

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