

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WEIXIN LU	01/28/2019
YAO ZHOU	01/28/2019
GUOWEI WAN	01/28/2019
SHENHUA HOU	01/28/2019
SHIYU SONG	01/28/2019
RECEIVING PARTY DATA	
Name:	BAIDU USA LLC
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City:	BEIJING
State/Country:	CHINA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16337391
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<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>	
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ATTORNEY DOCKET NUMBER:	9922P263
NAME OF SUBMITTER:	SAMRA AMDMICHAEL

SIGNATURE:	/Samra Amdemichael/
DATE SIGNED:	07/02/2019
Total Attachments: 4 source=9922P263 Assignment#page1.tif source=9922P263 Assignment#page2.tif source=9922P263 Assignment#page3.tif source=9922P263 Assignment#page4.tif	

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned,

WEIXIN LU, YAO ZHOU, GUOWEI WAN, SHENHUA HOU, SHIYU SONG,

hereby sell, assign, and transfer to

Baidu USA LLC and Baidu.com Times Technology (Beijing) Co., Ltd.

both limited liability companies in California and China, having a principal place of business at 1195 Bordeaux Dr., Sunnyvale, CA 94089 and 2/F A2 Zhongguancun Software Park 17th Building, No. 8, Dongbeiwang West Road, Haidian District, Beijing, China, respectively, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

**LIDAR LOCALIZATION USING RNN AND LSTM FOR TEMPORAL SMOOTHNESS IN
AUTONOMOUS DRIVING VEHICLES**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number _____ filed _____,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents

and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

28/01, 2019
Date
Weixin Lu
Signature
WEIXIN LU
Printed/Typed Name

28/01, 2019
Date
Yao Zhou
Signature
YAO ZHOU
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28/01, 2019
Date
Guowei Wan
Signature
GUOWEI WAN
Printed/Typed Name

28/01, 2019
Date
Shenhua Hou
Signature
SHENHUA HOU
Printed/Typed Name

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Date

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SHIYU SONG
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ASSIGNMENT OF PATENT APPLICATION

Attorney Docket No.: 209922.0294.0 (P263)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned,

WEIXIN LU, YAO ZHOU, GUOWEI WAN, SHENHUA HOU, SHIYU SONG,

hereby sell, assign, and transfer to

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both limited liability companies in California and China, having a principal place of business at 1195 Bordeaux Dr., Sunnyvale, CA 94089 and 2/F A2 Zhongguancun Software Park 17th Building, No. 8, Dongbeiwang West Road, Haidian District, Beijing, China, respectively, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

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agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents

and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

_____, 20____
Date Signature
WEIXIN LU
Printed/Typed Name

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Date Signature
GUOWEI WAN
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Date Signature
SHENHUA HOU
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01/29, 2019
Date Signature
SHIYU SONG
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