505553560 07/01/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5600361

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONG XIAO	01/15/2019
RUNXIN HE	01/15/2019
PENGFEI YUAN	01/16/2019
LI YU	01/19/2019
SHIYU SONG	01/29/2019

RECEIVING PARTY DATA

Name:	BAIDU USA LLC
Street Address:	1195 BORDEAUX DRIVE
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94304

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16336872

CORRESPONDENCE DATA

Fax Number:

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.

Email: samra.amdemichael@wbd-us.com, bstzkgsreport@wbd-us.com,

ipdocketing@wbd-us.com

Correspondent Name: WOMBLE BOND DICKINSON (US) LLP
Address Line 1: 1841 PAGE MILL ROAD SUITE 200
Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	9922P242
NAME OF SUBMITTER:	SAMRA AMDEMICHAEL
SIGNATURE:	/Samra Amdemichael/
DATE SIGNED:	07/01/2019

Total Attachments: 6

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PATENT 505553560 REEL: 049647 FRAME: 0405

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PATENT REEL: 049647 FRAME: 0406

ASSIGNMENT OF PATENT APPLICATION

Attorney Docket No.: 209922.0272.9 (P242)

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

YONG XIAO, RUNXIN HE, PENGFEI YUAN, LI YU, 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

A RGB POINT CLOUDS BASED MAP GENERATION SYSTEM FOR AUTONOMOUS VEHICLES

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

[I/we hereby authorize an attorney number and filing date of said pate	or agent for said Assignee to insert below the application ent application when known.]
United States Patent Application Number	

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

PATENT REEL: 049647 FRAME: 0407

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:

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Date		Signature YONG XIAO
	, 20	Printed/Typed Name
Date		Signature RUNXIN HE Printed/Typed Name
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Date		Signature PENGFEI YUAN Printed/Typed Name
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Date		Signature LI YU Printed/Typed Name
	, 20	
Date	<u> </u>	Signature SHIYU SONG Printed/Typed Name

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Date 20 19	Signature YONG XIAO Printed/Typed Name
Jan /15/2019 20 19 Date	Signature RUNXIN HE Printed/Typed Name
, 20 Date	Signature PENGFEI YUAN Printed/Typed Name
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Date		Signature
		SHIYU SONG
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, 20	
Date	Signature PENGFEI YUAN
,	Printed/Typed Name
$\frac{1}{6}$, 20 $\frac{1}{9}$	Signature
Date /	LI YU Signature
	Printed/Typed Name
, 20	
Date	Signature SHIYU SONG
	Printed/Typed Name

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0//24 , 20 4 Date	Signature SHIYU SONG Printed/Typed Name

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