

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MINGCHENG CHEN	12/06/2018
COLIN BRALEY	12/06/2018
CRAIG LEWIN ROBINSON	12/10/2018
CHRISTIAN LAUTERBACH	12/06/2018
RECEIVING PARTY DATA	
Name:	WAYMO LLC
Street Address:	1600 AMPHITHEATRE PARKWAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16204534
CORRESPONDENCE DATA	
Fax Number:	(908)654-0415
<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:	XSDV 3.0F-2067
NAME OF SUBMITTER:	SOPHIA H. BUCHAN
SIGNATURE:	/SOPHIA H. BUCHAN/
DATE SIGNED:	12/11/2018
Total Attachments: 2	
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ASSIGNMENT CONFIRMATION

The undersigned each hereby confirms the assignment to Waymo LLC, a Delaware limited liability company having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043, and its successors and assigns (hereafter, collectively, "ASSIGNEE") the entire right, title and interest throughout the world in and to (a) the patent application entitled

Localization Initialization For Autonomous Vehicles

(hereafter "PATENT APPLICATION") that names the undersigned as inventor(s) and was filed in United States of America on November 29, 2018 as application no. 16/204,534; (b) any and all inventions, discoveries, improvements, and other subject matter that are the subject or subjects of the PATENT APPLICATION; (c) all legal equivalents of the PATENT APPLICATION in any country and all patents issuing from the PATENT APPLICATION; (d) all patents, divisionals, continuations, continuations-in-part, substitutes, reissues, re-examinations, utility models, design registrations, inventors' certificates, and like rights of exclusion granted for any and all inventions, discoveries, improvements, and other subject matter that are the subject or subjects of the PATENT APPLICATION throughout the world; and (e) the right to claim priority or benefit based on the filing date of the PATENT APPLICATION under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other laws or treaties of like purposes (hereafter, (a)-(e) collectively, "PATENT RIGHTS"). The undersigned each authorizes and requests the attorneys filing the PATENT APPLICATION to complete this Assignment Confirmation by inserting the filing date and serial number of the PATENT APPLICATION when known.

The undersigned each hereby agrees the foregoing assignment confirmed herein has been made for good and valuable consideration, the receipt of which is hereby acknowledged, and in accordance with any relevant invention assignment agreements existing at the time the PATENT RIGHTS were made. Should any of the undersigned have any remaining interest, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned each hereby assigns any right, title or interest that the undersigned has in the PATENT RIGHTS anywhere in the world to ASSIGNEE.

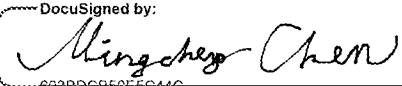
The undersigned each hereby authorizes ASSIGNEE to apply in all countries in the names of the undersigned or in the name of ASSIGNEE for the PATENT RIGHTS. The undersigned each hereby authorizes the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to ASSIGNEE all patents resulting from the PATENT RIGHTS and to record ASSIGNEE's ownership thereof.

The undersigned each hereby represents and covenants that no assignment, agreement, license, or other encumbrance has been or will be made or entered into by the undersigned that would conflict with the foregoing assignment of the PATENT RIGHTS to ASSIGNEE.

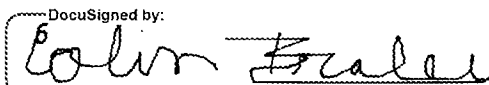
The undersigned each further covenants for themselves and their respective heirs, legal representatives, and assigns to, without further remuneration, promptly provide ASSIGNEE upon the request of ASSIGNEE all pertinent facts and documents relating to the PATENT RIGHTS; testify as to the same in any interference, litigation, government investigation proceeding, and other related or similar proceedings; and promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, oaths, declarations, or affidavits required to apply for, obtain, maintain, issue, defend, or enforce the PATENT RIGHTS that may be necessary or desirable to carry out the purposes thereof.

If any provision of this Assignment Confirmation is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision. This Assignment Confirmation will be governed by the substantive laws of the United States of America and the state of California, excluding California's conflict of laws rules.

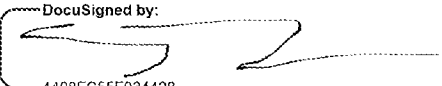
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Mingcheng Chen

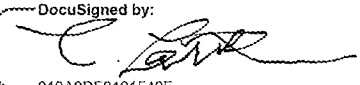
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DocuSigned by:

DF344C0F4D68401...
Colin Braley

Dated: 12/10/2018

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Craig Lewin Robinson

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019A9DEB121549E...
Christian Lauterbach