505621464 08/14/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOYOTA RESEARCH INSTITUTE, INC.	07/29/2019

RECEIVING PARTY DATA

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Property Type	Number
Patent Number:	10162357

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DATE SIGNED:	08/14/2019

Total Attachments: 2

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PATENT 505621464 REEL: 050050 FRAME: 0828

ASSIGNMENT

WHEREAS, Toyota Research Institute, Inc., having a place of business at 4440 El Camino Real, Los Altos, CA 94022, is the exclusive owner, by assignment, of the application for letters patent Application No. 15/459,334, filed March 15, 2017; and which issued as Letters Patent of the United States of America No. 10,162,357, on December 15, 2018; and

WHEREAS, Toyota Jidosha Kabushiki Kaisha having a place of business at 1,
Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan, a corporation organized and existing
under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is
desirous of acquiring the entire right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, Toyota Research Institute, Inc. by these presents do sell, assign, and transfer unto ASSIGNEE the entire right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and the invention described therein, and any reissue or reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or reissues may be granted, said invention and Letters Patent to be held and enjoyed by the ASSIGNEE for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives, and for claims for damage by reasons of infringement past and present, as fully and entirely as the same would have been held by Toyota Research Institute, Inc. had this Assignment and sale not been made.

PATENT REEL: 050050 FRAME: 0829 IN TESTIMONY WHEREOF, Toyota Research Institute, Inc. has caused these presents to be signed by its officer thereunto duly authorized.

TOYOTA RESEARCH INSTITUTE, INC.

Date: \$7/29/2019

³Y: Name: Kelly **K**ay

Title: Chief Financial Officer

PATENT REEL: 050050 FRAME: 0830

RECORDED: 08/14/2019