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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKESHI TORII	12/21/2017

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State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15898269

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Total Attachments: 3

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PATENT 504781093 REEL: 044951 FRAME: 0628

COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

特許出願の宣誓書および譲渡書

As a below named inventor, I hereby declare that:

私は、下記に記名された発明者として、以下について宣誓する:

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

私は、下記の名称の発明について、特許が求められている、本願の請求項に係る発明のもともとの発明者、または、もともとの共同発明者である:

The above-identified application was made or authorized to be made by me.

上記の出願は、私自身、または私が権限を授与したものによって行われたものである。

In the event that the filing date and/or application number are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request the registered practitioners of **McDermott Will & Emery LLP**, associated with the Customer Number 20277, to insert above the filing date and/or application number of the application.

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ASSIGNMENT 譲渡書

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned, who have made a certain new and useful invention, hereby sell, assign and transfer unto

SUBARU CORPORATION

having an address at 1-20-8, Ebisu, Shibuya-ku, Tokyo, Japan

(hereinafter designated as the Assignee), its successors and assigns the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100 in the invention described in the application identified in this document, and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the Assignee, for its interest as Assignee, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in the application shall hereafter act on behalf of the Assignee;

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AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the Assignee, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the Assignee, its successors, assigns and legal representatives, deemed essential to Assignee's full protection and title in and to the invention hereby transferred.

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Legal name of first inventor	
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First inventor's signature	Date
Takeshi Torii	December 21, 2017
Legal name of second inventor, if any	
Second inventor's signature	Date
Legal name of third inventor, if any	
Third inventor's signature	Date
Legal name of fourth inventor, if any	
Fourth inventor's signature	Date
Legal name of fifth inventor, if any	
Fifth inventor's signature	Date
Legal name of sixth inventor, if any	
Sixth inventor's signature	Date
Legal name of seventh inventor, if any	
Seventh inventor's signature	Date
Legal name of eighth inventor, if any	-
	Date
Legal name of ninth inventor, if any	
Ninth inventor's signature	Date

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