PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KATSUYA OYAMA	04/28/2015
CHIHIRO SATO	04/28/2015
MITSUHIKO WATANABE	04/28/2015

RECEIVING PARTY DATA

Name:	HITACHI AUTOMOTIVE SYSTEMS, LTD.	
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State/Country:	JAPAN	
Postal Code:	312-8503	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15636102

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	HITACHI22-111252097US02	
NAME OF SUBMITTER:	DANIEL N. CALDER	
SIGNATURE: /Daniel N. Calder/		
DATE SIGNED:	06/30/2017	

Total Attachments: 1

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PATENT REEL: 042879 FRAME: 0090 504440843

ASSIGNMENT

(滚 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Automotive Systems, Ltd.,

a corporation organized under the laws of Japan,

located at 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503 Japan

receipt of which is hereby acknowledged I do hereby sell and assign to said

Hitachi Automotive Systems, Ltd.,

its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said. Hitachi Automotive Systems, Ltd.,

its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference preceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Automotive Systems, Ltd.,

Signed on the date(s) indicated aside our signatures:

	INVENTOR(S) (発明者フルネームサイン)	(署名日)
1)	Ratsiya Osama	4/28/2015
	Kaisuya OYAMA Chihiro Sato	4/28/20/5
3)	Chihiro SATO Onteubike Hatenda	4/28/2015
4)	Mitsuhiko WATANABE	
5)		
6)		
7)		
8)		
9)		
10)		

PATENT REEL: 042879 FRAME: 0091

A. A. A. A.

RECORDED: 06/30/2017