

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5243425

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NAOKI YONEYA	08/20/2018
	MASAYUKI SARUWATARI	08/08/2018
	KAZUHIRO ORYOJI	08/08/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	HITACHI AUTOMOTIVE SYSTEMS, LTD.	
<b>Street Address:</b>	2520, TAKABA	
<b>City:</b>	HITACHINAKA-SHI, IBARAKI	
<b>State/Country:</b>	JAPAN	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16300439
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(202)628-8844	
<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>		
<b>Phone:</b>	2026242500	
<b>Email:</b>	edocket@crowell.com, lbuckler@crowell.com	
<b>Correspondent Name:</b>	CROWELL & MORING LLP	
<b>Address Line 1:</b>	1001 PENNSYLVANIA AVENUE, NW	
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004	
<b>ATTORNEY DOCKET NUMBER:</b>	105559.PB682US	
<b>NAME OF SUBMITTER:</b>	MICHAEL H. JACOBS	
<b>SIGNATURE:</b>	/Michael H. Jacobs/	
<b>DATE SIGNED:</b>	11/19/2018	
<b>Total Attachments: 3</b>		
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source=PB682US-Assignment#page3.tif		

# ASSIGNMENT

( 譲渡証 )

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 by Hitachi Automotive Systems, Ltd.,  
a corporation organized under the laws of Japan,  
located at 2520, Takaba, Hitachinaka-shi, Ibaraki, Japan  
receipt of which is hereby acknowledged I do hereby sell and assign to sa 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

## INTERNAL COMBUSTION ENGINE CONTROL DEVICE

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, No. PCT/JP2017/010053 filed March 14, 2017, 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 proceedings, 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)

Date Signed  
(署名日)

1) Naoki Yoneya  
Naoki YONEYA

20/08/2018

2) \_\_\_\_\_  
Masayuki SARUWATARI

\_\_\_\_\_

3) \_\_\_\_\_  
Kazuhiro ORYOJI

\_\_\_\_\_

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(発明者フルネームサイン)

Date Signed  
(署名日)

1) \_\_\_\_\_  
Naoki YONEYA

2) Masayuki Saruwatari  
Masayuki SARUWATARI

8/8/2018

3) \_\_\_\_\_  
Kazuhiro ORYOJI

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3) Kazuhiro Oryoji  
Kazuhiro ORYOJI

\_\_\_\_\_  
\_\_\_\_\_  
8/8/2018