504746382 01/25/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4793110

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FUSAO HOJO	12/06/2017
NOBUTAKE TSUYUNO	12/07/2016
TOSHIAKI ISHII	12/12/2017
JUNPEI KUSUKAWA	12/08/2017
AKIRA MATSUSHITA	12/06/2017

RECEIVING PARTY DATA

Name:	HITACHI AUTOMOTIVE SYSTEMS, LTD.
Street Address:	2520 TAKABA
City:	HITACHINAKA-SHI, IBARAKI
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15747365

CORRESPONDENCE DATA

Fax Number:

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.

Email: EBellows@crowell.com
Correspondent Name: CROWELL & MORING LLP

Address Line 1: P.O. BOX 14300

Address Line 4: WASHINGTON, D.C. 20044

ATTORNEY DOCKET NUMBER: 114617.PA751US

NAME OF SUBMITTER: MICHAEL H. JACOBS

SIGNATURE: /Michael H. Jacobs/

DATE SIGNED: 01/25/2018

Total Attachments: 5

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PATENT REEL: 044727 FRAME: 0050

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 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

POWER MODULE

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 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) Lasao Hopo	Fusao HOJO	12/6/2017
2)	Nobutake TSUYUNO	
3)	Toshiaki ISHII	
4)	Junpei KUSUKAWA	
5)	Akira MATSUSHITA	•
6)		
7)		
8)		

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

(発明者フルネームサイン)	(署名日)
1) Fusao HO	JO
2) holutahe Janjano Nobutake TSUYUN	10 12/7/20/7
3) Toshiaki ISi	<u> </u>
4) Junpei KUSUKAV	VA
5) Akira MATSUSHI	TA
6)	·
7)	
8)	<u> </u>

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DATE SIGNED

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1).	Fusao HOJO	
2)	Nobutake TSUYUNO	
3)	Tochia Ci Jahi L Toshiaki ISHII	12/12/2017
4)	Junpei KUSUKAWA	
5).	Akira MATSUSHITA	
6)_		
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1)	Fusao HOJO	·	
2)	Nobutake TSUYUNO		
3)	Toshiaki ISHII		
4)	Junpei Kusukawa Junpei KUSUKAWA	12/8/2017	
5)	Akira MATSUSHITA		
6)			
7)		·	
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INIVENITOR/S)

	(署名日)	
)Fusao HOJO		
?) Nobutake TSUYUNO		
3) Toshiaki ISHII		
Junpei KUSUKAWA		
Akira MATSUSHITA	Dec. 06, 2017	
3)		
7)		
3)		

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PATENT REEL: 044727 FRAME: 0055

DATE SIGNED