PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIRAI HIGUCHI	09/24/2013
MASAHIRO KIYOHARA	09/25/2013
TAKESHI SHIMA	09/24/2013
TATSUHIKO MONJI	09/24/2013

RECEIVING PARTY DATA

Name:	HITACHI AUTOMOTIVE SYSTEMS, LTD.
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Internal Address:	HITACHINAKA-SHI
City:	IBARAKI
State/Country:	JAPAN
Postal Code:	312-8503

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14110679	

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NAME OF SUBMITTER:	WILLIAM T. ELLIS
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502525286 REEL: 031367 FRAME: 0677

OP \$40,00 14110679

Signature:	/William T. Ellis/
Date:	10/08/2013
Total Attachments: 1 source=Assignment#page1.tif	

PATENT REEL: 031367 FRAME: 0678

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

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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 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)	
3) Jakeshi Shima Takeshi SHIMA 9/24/2013 4) Tatauhihu Monyi Tatsuhiko MONJI 9/24/2013 5) 6) 7) 8)	1)	Mirai Higuchi	Mirai HIGUCHI	9/24/2013
4) <u>Tatsuhiho Monji</u> Tatsuhiko MONJI 9/24/2013 5)	2)	Masakiro Kiyohara	Masahiro KIYOHARA	9/25/20/3
5)	3)	Takeshi Shima	Takeshi SHIMA	9/24/2013
5)	4)	Tatsuhiho Monji	Tatsuhiko MONJI	9/24/2013
9)		· ·		
9)	6)			
9)	7)			
	8)			
10)	9)			
	10)			

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RECORDED: 10/08/2013