

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NAGANORI KOSHIMIZU	04/25/2016
HIROSHI SHIMURA	04/25/2016
RYOICHI YAGI	04/25/2016
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State/Country:	JAPAN
Postal Code:	312-8503
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15032391
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NAME OF SUBMITTER:	PAUL T. BOWEN
SIGNATURE:	/PAUL T. BOWEN/
DATE SIGNED:	04/27/2016
Total Attachments: 2	
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ASSIGNMENT OF U.S. PATENT RIGHTS

(Inventors) Naganori KOSHIMIZU
Hiroshi SHIMURA
Ryoichi YAGI

(Assignee) In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
Hitachi Automotive Systems, Ltd.

(Address) 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503 Japan

(Title) (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as

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for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on
_____ or has already filed U.S. application Serial No. _____
on _____.

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date April 25, 2016 Signature of inventor Naganori Koshimizu
Naganori KOSHIMIZU

Date April 25, 2016 Signature of inventor Hiroshi Shimura
Hiroshi SHIMURA

Date April 25, 2016 Signature of inventor Ryoichi Yagi
Ryoichi YAGI

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Witnessed by: Kazuhiko Nagai

Date April 25, 2016

Witnessed by: Satoru Koinuma

Date April 25, 2016