

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
HITACHI AUTOMOTIVE SYSTEMS, LTD.		01/20/2014
RECEIVING PARTY DATA		
Name:	HITACHI, LTD.	
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City:	CHIYODA-KU, TOKYO	
State/Country:	JAPAN	
PROPERTY NUMBERS Total: 5		
Property Type	Number	
Application Number:	13396811	
Application Number:	12826361	
Application Number:	13033631	
Application Number:	13034814	
Application Number:	13213220	
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NAME OF SUBMITTER:	RICHARD R. DIEFENDORF	
Signature:	/Richard R. Diefendorf, Reg. No. 32,390/	

PATENT

Date:

01/28/2014

Total Attachments: 2

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ASSIGNMENT

HITACHI AUTOMOTIVE SYSTEMS, LTD. (hereinafter "Assignor") is an owner of record of the U.S. Patent Applications listed in Schedule A attached hereto by virtue of assignments recorded in the U.S. Patent and Trademark Office; and

WHEREAS, *HITACHI, LTD.* (hereinafter "Assignee"), of 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, is desirous of acquiring Assignor's share of the entire right, title, and interest in and to the said patent applications and inventions and in and to any Letters Patent issuing therefrom in any form or embodiment thereof;

NOW, THEREFOR, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor, as the legal and beneficial owner, does hereby sell and assign to the Assignee, its successors and assigns, its share of the entire right, title, and interest in and to said applications and inventions, and in and to any said Letters Patent, once issued, and all the rights, powers, liberties, and immunities conferred on the Assignor by the grant of the Patents, including rights to sue for damages and other remedies in respect of any infringement of the Patents, which may have occurred prior to the date hereof, and the right to recover for all past infringement; and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and the Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for said inventions, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be duly executed by its authorized representative on the date set forth below.

HITACHI AUTOMOTIVE SYSTEMS, LTD.

By: Toshio Ishii

Name: Toshio ISHII

Title: Director, Intellectual Property Dept.

Date: 2014. 1. 20

SCHEDULE A

U.S. Patent Applications

13/396,811

12/826,361

13/033,631

13/034,814

13/213,220