

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT2994813

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HITACHI VEHICLE ENERGY, LTD.	08/05/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI AUTOMOTIVE SYSTEMS, LTD.
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<b>City:</b>	HITACHINAKA-SHI, IBARAKI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	312-8503
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13575060
<b>Application Number:</b>	14009454
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	DANIEL N. CALDER
<b>SIGNATURE:</b>	/Daniel N. Calder/
<b>DATE SIGNED:</b>	08/25/2014
<b>Total Attachments: 1</b>	
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**ASSIGNMENT**

Hitachi Vehicle Energy, Ltd., having a business address at 1410, Inada, Hitachinaka-shi, Ibaraki 312-8505, Japan, is the owner of record of the following Patent Applications:

U.S. Application No. 13/575,060
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U.S. Application No. 14/009,454
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Hitachi Vehicle Energy, Ltd., hereby transfers and assigns to Hitachi Automotive Systems, Ltd., having a business address at 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503, Japan, the whole right, title and interest in the aforementioned U.S. Patent Applications, and all U.S. Patents issuing thereon.

IN WITNESS WHEREOF, this Assignment has been executed by an Agent authorized to act on behalf of the Assignor, Hitachi Vehicle Energy, Ltd.

Hitachi Vehicle Energy, Ltd.

By: Y. Katsuta  
Name: Yoshiharu Katsuta  
Title: President

Date: Aug. 5. 2014