

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>KENICHIRO TSURU</td> <td>10/30/2013</td> </tr> <tr> <td>AKINORI TADA</td> <td>10/30/2013</td> </tr> <tr> <td>HIROSHI MORIKAWA</td> <td>10/30/2013</td> </tr> <tr> <td>KEIICHIRO OHKAWA</td> <td>10/30/2013</td> </tr> <tr> <td>YOSHINORI AOSHIMA</td> <td>10/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	KENICHIRO TSURU	10/30/2013	AKINORI TADA	10/30/2013	HIROSHI MORIKAWA	10/30/2013	KEIICHIRO OHKAWA	10/30/2013	YOSHINORI AOSHIMA	10/30/2013
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RECEIVING PARTY DATA													
Name:	Hitachi Vehicle Energy, Ltd.												
Street Address:	1410, Inada												
City:	Hitachinaka-shi, Ibaraki												
State/Country:	JAPAN												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14118067</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14118067								
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Application Number:	14118067												
CORRESPONDENCE DATA													
Fax Number:	(215)568-6499												
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	HITACHI-111150268US01												
NAME OF SUBMITTER:	DANIEL N. CALDER												

Signature:	/Daniel N. Calder/
Date:	11/20/2013
Total Attachments: 1 source=111150268US01_Assignment_EFS#page1.tif	

ASSIGNMENT
(讓渡証)

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 Vehicle Energy, Ltd., a corporation organized under the laws of Japan, located at 1410, Inada, Hitachinaka-shi, Ibaraki, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Vehicle Energy, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

BATTERY CONTROL APPARATUS

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 Vehicle Energy, 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 Vehicle Energy, 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)	<u>Kenichiro Tsuru</u> Kenichiro TSURU	<u>10/30/2013</u>
2)	<u>Akinori Tada</u> Akinori TADA	<u>10/30/2013</u>
3)	<u>Hiroshi Morikawa</u> Hiroshi MORIKAWA	<u>10/30/2013</u>
4)	<u>Keiichiro Ohkawa</u> Keiichiro OHKAWA	<u>10/30/2013</u>
5)	<u>Yoshinori AOSHIMA</u> Yoshinori AOSHIMA	<u>10/30/2013</u>
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____