

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Youhei KAWAHARA</td> <td>05/17/2010</td> </tr> <tr> <td>Yoshinori AOSHIMA</td> <td>05/14/2010</td> </tr> <tr> <td>Kenichiro TSURU</td> <td>05/14/2010</td> </tr> <tr> <td>Akihiko KUDO</td> <td>05/17/2010</td> </tr> <tr> <td>Akihiko EMORI</td> <td>05/14/2010</td> </tr> <tr> <td>Tatsumi YAMAUCHI</td> <td>05/14/2010</td> </tr> </tbody> </table>		Name	Execution Date	Youhei KAWAHARA	05/17/2010	Yoshinori AOSHIMA	05/14/2010	Kenichiro TSURU	05/14/2010	Akihiko KUDO	05/17/2010	Akihiko EMORI	05/14/2010	Tatsumi YAMAUCHI	05/14/2010
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CORRESPONDENCE DATA															
<p>Fax Number: (202)628-8844</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2026242500</p> <p>Email: GMaddox@crowell.com</p> <p>Correspondent Name: Crowell & Moring LLP</p> <p>Address Line 1: P. O. Box 14300</p>															

OP \$40.00 12750279

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PATENT
REEL: 024525 FRAME: 0087

Address Line 4: Washington, DISTRICT OF COLUMBIA 20044-4300

NAME OF SUBMITTER:

Gary R. Edwards

Total Attachments: 1
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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 citizen of Japan by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan and 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, Ltd. and 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

STATE DETECTION DEVICE FOR POWER SUPPLY SYSTEM

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, Ltd. and 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, Ltd. and Hitachi Vehicle Energy, Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Youhei KAWAHARA</u> <u>Youhei Kawahara</u>	<u>5/17/2010</u>
2) <u>Yoshinori AOSHIMA</u> <u>Yoshinori Aoshima</u>	<u>5/14/2010</u>
3) <u>Kenichiro TSURU</u> <u>Kenichiro Tsuru</u>	<u>5/14/2010</u>
4) <u>Akihiko KUDO</u> <u>Akihiko Kudo</u>	<u>5/17/2010</u>
5) <u>Akihiko EMORI</u> <u>Akihiko Emori</u>	<u>5/14/2010</u>
6) <u>Tatsumi YAMAUCHI</u> <u>Tatsumi Yamauchi</u>	<u>5/14/2010</u>
7) _____	_____
8) _____	_____
9) _____	_____