

PATENT ASSIGNMENT

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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>Hironori MATSUMOTO</td> <td>12/15/2011</td> </tr> <tr> <td>Jumpei KUSUKAWA</td> <td>12/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Hironori MATSUMOTO	12/15/2011	Jumpei KUSUKAWA	12/15/2011		
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RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Hitachi, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>6-6, Marunouchi 1-chome, Chiyoda-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi, Ltd.	Street Address:	6-6, Marunouchi 1-chome, Chiyoda-ku,	City:	Tokyo	State/Country:	JAPAN
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CORRESPONDENCE DATA									
<p>Fax Number: (703)312-6666 Phone: 703-312-6600 Email: svannarath@antonelli.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Address Line 1: 1300 NORTH SEVENTEENTH STREET Address Line 2: SUITE 1800 Address Line 4: ARLINGTON, VIRGINIA 22209-3873</p>									
ATTORNEY DOCKET NUMBER:	500.52232X00								
NAME OF SUBMITTER:	Alan E. Schiavelli								
Total Attachments: 1 source=52232X00ASN#page1.tif									

OP \$40.00 13388450

ASSIGNMENT

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, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

INSULATION CIRCUIT BOARD, AND POWER SEMICONDUCTOR DEVICE

OR INVERTER MODULE USING THE SAME

* PCT International Application Number PCT/JP2010/052847 filed on February 24, 2010

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., 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.

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>Hironori Matsumoto</u> Hironori MATSUMOTO	<u>12 / 15 / 2011</u> J. K. 12/15/2011
2)	<u>Jumpei Kusukawa</u> Jumpei KUSUKAWA	<u>12 / 15 / 2011</u>
3)	_____	_____
4)	_____	_____
5)	_____	_____
6)	_____	_____
7)	_____	_____

PATENT