

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Yu HARUBEPPU</td> <td>11/20/2012</td> </tr> <tr> <td>Takayuki KUSHIMA</td> <td>11/22/2012</td> </tr> <tr> <td>Yasuhiro NEMOTO</td> <td>11/22/2012</td> </tr> <tr> <td>Keisuke HORIUCHI</td> <td>11/21/2012</td> </tr> <tr> <td>Hisashi TANIE</td> <td>11/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yu HARUBEPPU	11/20/2012	Takayuki KUSHIMA	11/22/2012	Yasuhiro NEMOTO	11/22/2012	Keisuke HORIUCHI	11/21/2012	Hisashi TANIE	11/20/2012
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<table border="1"> <tr> <td>Name:</td> <td>Hitachi, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>6-6, Marunouchi 1-chome</td> </tr> <tr> <td>City:</td> <td>Chiyoda-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi, Ltd.	Street Address:	6-6, Marunouchi 1-chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN				
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CORRESPONDENCE DATA													
<p>Fax Number: 2026288844 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2026242500 Email: Galemousavi@crowell.com Correspondent Name: Crowell & Moring LLP Address Line 1: P.O. Box 14300 Address Line 4: Washington, DISTRICT OF COLUMBIA 20044-4300</p>													
ATTORNEY DOCKET NUMBER:	029118.65145US												
NAME OF SUBMITTER:	Michael H. Jacobs												
<p>Total Attachments: 1 source=65145US_ASSIGNMENT#page1.tif</p>													

OP \$40.00 13689299

PATENT

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, 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

POWER SEMICONDUCTOR DEVICE

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>Yu Harubeppu</u> Yu HARUBEPPU	<u>11/20/2012</u>
2)	<u>Takayuki Kushima</u> Takayuki KUSHIMA	<u>11/22/2012</u>
3)	<u>Yasuhiro Nemoto</u> Yasuhiro NEMOTO	<u>11/22/2012</u>
4)	<u>Keisuke Horinuchi</u> Keisuke HORIUCHI	<u>11/21/2012</u>
5)	<u>Hisashi Tanie</u> Hisashi TANIE	<u>11/20/2012</u>