

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>KENJI KOMIYA</td> <td>10/01/2013</td> </tr> <tr> <td>SHUJI WAKAIKI</td> <td>10/01/2013</td> </tr> <tr> <td>KOHTAROH KATAOKA</td> <td>10/01/2013</td> </tr> <tr> <td>MASARU NOMURA</td> <td>10/01/2013</td> </tr> <tr> <td>YOSHIJI OHTA</td> <td>10/01/2013</td> </tr> <tr> <td>HIROSHI IWATA</td> <td>10/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	KENJI KOMIYA	10/01/2013	SHUJI WAKAIKI	10/01/2013	KOHTAROH KATAOKA	10/01/2013	MASARU NOMURA	10/01/2013	YOSHIJI OHTA	10/01/2013	HIROSHI IWATA	10/01/2013
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HIROSHI IWATA	10/01/2013														
RECEIVING PARTY DATA															
Name:	SHARP KABUSHIKI KAISHA														
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State/Country:	JAPAN														
Postal Code:	545-8522														
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>14110687</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14110687										
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Application Number:	14110687														
CORRESPONDENCE DATA															
Fax Number:	(703)760-7777														
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Email:	tahmed@mofo.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	514242106700														

CH \$40.00 14110687

NAME OF SUBMITTER:	TAKAMITSU FUJIU
Signature:	/Takamitsu Fujiu/
Date:	10/11/2013
Total Attachments: 6 source=514242106700#page1.tif source=514242106700#page2.tif source=514242106700#page3.tif source=514242106700#page4.tif source=514242106700#page5.tif source=514242106700#page6.tif	

MORRISON & FOERSTER LLP

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

Sharp Kabushiki Kaisha

22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the title:

Semiconductor Device, and Inverter, Converter and Power
Conversion Device Employing the Same

Attorney Docket No.: 51424-21067.00

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.: 14/110,687 Filing Date: April 5, 2012

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property of similar agreements.
3. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.
4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.
5. The undersigned hereby grant(s) to the firm of Morrison & Foerster LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREBY, executed by the undersigned on the date(s) opposite the undersigned name(s).

October 1, 2013	<i>Kenji Komiya</i>
Date	Typed Name: Kenji KOMIYA
Date	Typed Name: Shuji WAKAIKI
Date	Typed Name: Kohtaroh KATAOKA
Date	Typed Name: Masaru NOMURA
Date	Typed Name: Yoshiji OHTA
Date	Typed Name: Hiroshi IWATA

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Date	Typed Name: Masaru NOMURA
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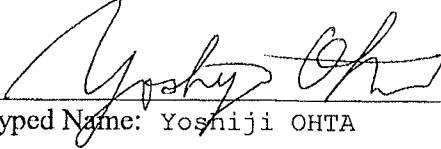
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