

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>Makoto MIZUKAMI</td> <td>04/06/2012</td> </tr> <tr> <td>Masamu KAMAGA</td> <td>04/16/2012</td> </tr> <tr> <td>Kazuto TAKAO</td> <td>04/16/2012</td> </tr> </tbody> </table>	Name	Execution Date	Makoto MIZUKAMI	04/06/2012	Masamu KAMAGA	04/16/2012	Kazuto TAKAO	04/16/2012	
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Makoto MIZUKAMI	04/06/2012								
Masamu KAMAGA	04/16/2012								
Kazuto TAKAO	04/16/2012								
RECEIVING PARTY DATA									
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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>13409820</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13409820					
Property Type	Number								
Application Number:	13409820								
CORRESPONDENCE DATA									
Fax Number:	(202)408-4249								
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ATTORNEY DOCKET NUMBER:	13G055724-USA-A								
NAME OF SUBMITTER:	Satoshi Asahi								
Total Attachments: 2 source=55724#page1.tif source=55724#page2.tif									

CH \$40.00 13409820

Assignment of Application

WHEREAS, I (WE) Makoto MIZUKAMI of Kanagawa, Japan ;

Masamu KAMAGA of Tokyo, Japan, and

Kazuto TAKAO of Ibaraki, Japan

_____, respectively,

have invented certain new and useful improvements in: SEMICONDUCTOR RECTIFIER DEVICE

(Application No. 13/409,820, filed March 1, 2012), and

WHEREAS, Kabushiki Kaisha Toshiba

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, 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 held by me (us) had this Assignment and sale not been made.

07/09

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: April 8, 2012

Makoto Mizukami
(Signature of Inventor) Makoto MIZUKAMI

Date: April 16, 2012

Masamu Kamaga
(Signature of Inventor) Masamu KAMAGA

Date: April 16, 2012

Kazuto Takao
(Signature of Inventor) Kazuto TAKAO

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