

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kazumasa Akai</td> <td>12/02/2010</td> </tr> <tr> <td>Masahiro Nakahata</td> <td>12/02/2010</td> </tr> </tbody> </table>		Name	Execution Date	Kazumasa Akai	12/02/2010	Masahiro Nakahata	12/02/2010				
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number:	(713)228-8778										
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OP \$40.00 12958256

ATTORNEY DOCKET NUMBER:	17621/022001
NAME OF SUBMITTER:	Sharon Martinez
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

**SANYO ELECTRIC CO., LTD .
SANYO SEMICONDUCTOR CO., LTD.**

having the following address:

**5-5, Keihan-hondori 2-chome, Moriguchi-shi, Osaka 570-8677 JAPAN
1-1, Sakata 1-chome, Oizumi-machi, Ora-gun, Gunma 370-0596 JAPAN**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

SEMICONDUCTOR APPARATUS

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG 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 the recordation of this document.

OSHALIANG

Intellectual Property Law

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

Dec. 2, 2010
Date

1st Inventor Signature: Kazumasa Akai
Print or Type Name: Kazumasa Akai

Dec. 2, 2010
Date

2nd Inventor Signature: Masahiro Nakahata
Print or Type Name: Masahiro Nakahata

Date

3rd Inventor Signature: _____
Print or Type Name: _____

Date

4th Inventor Signature: _____
Print or Type Name: _____

NOTARY PUBLIC

State of _____
County of _____

Before me personally appeared: Kazumasa Akai Masahiro Nakahata
1st Inventor 2nd Inventor

3rd Inventor 4th Inventor

5th Inventor 6th Inventor

7th Inventor 8th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: _____
Notary Public My commission expires: _____

WITNESSES

Dec 2, 2010
Date

Signature of Witness: Shigeo Furukawa
Print or Type Name: _____

Dec 2, 2010
Date

Signature of Witness: Foru Watanabe
Print or Type Name: _____

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:
U.S. Application Serial No.: 12/958,256
Filing Date: December 1, 2010

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Intellectual Property Law