

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kazuo OKADA	03/05/2009
Katsuhiko KITAGAWA	03/05/2009
Hiroshi YAMADA	02/20/2009

RECEIVING PARTY DATA

Name:	SANYO Electric Co., Ltd.
Street Address:	2-5-5. Keihanhondori
Internal Address:	Moriguchi-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	570-8677

Name:	SANYO Semiconductor Co., Ltd.
Street Address:	1-1-1, Sakata, Oizumi-machi
Internal Address:	Ora-gun
City:	Gunma
State/Country:	JAPAN
Postal Code:	370-0596

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12438879

CORRESPONDENCE DATA

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Correspondent Name: S. Laura Chung

CH \$40.00 12438879

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PATENT
REEL: 022518 FRAME: 0354

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Address Line 2:	1650 Tysons Blvd, Suite 400
Address Line 4:	McLean, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	606402047400
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NAME OF SUBMITTER:	S. Laura Chung
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Total Attachments: 2 source=assignment#page1.tif source=assignment#page2.tif
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MORRISON & FOERSTER_{LLP}

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to:

**SANYO Electric Co., Ltd.
2-5-5, Keihanhondori
Moriguchi-Shi, Osaka 570-8677 Japan**

And

**SANYO Semiconductor Co., Ltd.
1-1-1, Sakata, Oizumi-Machi, Ora-Gun
Gunma 370-0596 Japan**

(hereinafter designated as the "ASSIGNEES"), 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 therefore, 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 ASSIGNEES, 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

Attorney Docket No.: 606402047400

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.: 12/438,879 Filing Date: _____

1. The undersigned hereby agrees 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 ASSIGNEES.

2. The undersigned agrees 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 agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEES.

4. The undersigned hereby authorizes and requests 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 ASSIGNEES.

5. The undersigned hereby grants 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 opposite the undersigned name.

Mar 5 . 2009
Date

Kazuo OKADA
Name: Kazuo OKADA

Mar. 5. 2009
Date

Katsuhiko KITAGAWA
Name: Katsuhiko KITAGAWA

Feb 20 . 2009
Date

Hiroshi YAMADA
Name: Hiroshi YAMADA