



05-14-2003



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U.S. DEPARTMENT OF COMMERCE

OVER SHEET

Patent and Trademark Office  
Docket No. 492322007800

LY **5803**

the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Masahiro SHINA</p> <p><input checked="" type="checkbox"/> Individual(s)      <input type="checkbox"/> Association  <input type="checkbox"/> General Partnership      <input type="checkbox"/> Limited Partnership  <input type="checkbox"/> Corporation-State      <input type="checkbox"/> Other</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): SANYO ELECTRIC CO., LTD. 2-5-5, Keihanondori Moriguchi-City, Osaka 570-8677 JAPAN</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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3. Nature of conveyance:

Assignment       Merger  
 Security Agreement       Change of Name  
 Other:

Execution Date: December 11, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)      B. Patent No.(s)

10/278,091

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:  Barry E. Bretschneider Morrison &amp; Foerster LLP 1650 Tysons Boulevard, Suite 300 McLean, Virginia 22102</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account, referencing Attorney Docket <u>492322007800</u></p> <p>8. Deposit account number: <u>03-1952</u></p>
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This Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name: Barry E. Bretschneider      Alex Chitane      May 9, 2003  
Registration No: 28,055      Signature      31,942      Date

Total number of pages comprising cover sheet, attachments and document: 3

05/14/2003 TDIAZ1 00000025 031952 10278091  
01 FC:8021 40.00 CH

Mail documents to be recorded with required cover sheet information to:  
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vs-20584

The PTO did not receive the following listed item(s) \$ 40

**PATENT**  
**REEL: 014049 FRAME: 0020**

# 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:

## **SANYO ELECTRIC CO., LTD.**

2-5-5, Keihanhondori  
Moriguchi-City, Osaka 570-8677 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 INTEGRATED CIRCUIT**

Attorney Docket No.: 49232-20078.00

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.: 10/278,030

Filing Date: October 23, 2002

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).

December, 11 2002  
Date

MASAHIRO SHIINA  
Typed Name: Masahiro SHIINA