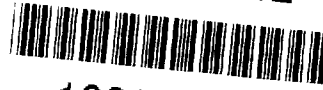


Attorney Docket No. 020936

07-26-2002

DEPARTMENT OF COMMERCE
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102169851

Commissioner for Patents: Please record the attached original documents or copy thereof.

Submission type: XX New

Conveyance type: XX Assignment

Conveying Party(ies):

Execution Date

First party Name: **YAMASHITA, Tomio** July 15, 2002

Second party Name: **OKAYAMA, Yoshio** July 15, 2002

Third party Name:

10/197575

Fourth party Name:

Fifth party Name:

Additional name(s) of conveying party(ies) attached? Yes ___ No XX

Receiving Party (ies):

First party Name: **SANYO ELECTRIC CO., LTD.**
Address: 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan

Additional name(s) & address(es) attached? Yes ___ No XX

Domestic Representative Name and Address (Enter for the first Receiving Party only)

ARMSTRONG, WESTERMAN & HATTORI, LLP
1725 K Street, N.W., Suite 1000
Washington, D.C. 20006

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1725 K Street, N.W., Suite 1000
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Pages Enter the total number of pages of the attached conveyance document: 1
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Application Number(s) or Patent Number(s) Additional numbers attached? Yes No

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B. Patent No.(s)
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If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: July 15, 2002
(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)

Enter PCT application number only if
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PCT _____
PCT _____
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Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

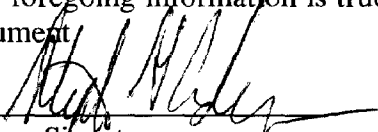
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Authorized to be charged to Deposit Account No.: **01-2340**

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.

Stephen G. Adrian
Name of Person Signing


Signature

July 18, 2002
Date

32,878
Registration No.

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to SANYO ELECTRIC CO., LTD. (hereinafter referred to as "ASSIGNEE"), which has a business office at 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan, the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THEREOF

(File No. _____) for which I (we) have executed an application for a United States Letters Patent on July 15, 2002. (Application Serial No. _____ filed on _____.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my (our) signature(s).

1) Tomio Yamashita Date: July 15, 2002
Name: Tomio YAMASHITA

2) Yoshio Okayama Date: July 15, 2002
Name: Yoshio OKAYAMA

Witness: Naoteru Matsubara Date: July 15, 2002
Name:

Witness: Shinichi Tanimoto Date: July 15, 2002
Name: