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103491566

Attorney Docket No. 136365

Please record the attached original document or copy thereof.

1. A. Name of conveying party:

Akihiro HASEGAWA

B. Additional name(s) of conveying party(ies) attached?

Yes No

2. A. Name and address of receiving parties:

SANYO ELECTRIC CO., LTD.
5-5, KEIHAN-HONDORI 2-CHOME
MORIGUCHI-SHI, OSAKA
JAPAN

SANYO SEMICONDUCTOR CO., LTD.
1-1, SAKATA 1-CHOME, OIZUMI-MACHI
ORA-GUN, GUNMA
JAPAN

B. Additional name(s) & address(es) attached?

Yes No

3. A. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

B. Execution Date: March 13, 2008

4. This document is being filed together with a new application.

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? Yes No

C. Title of Application: SEMICONDUCTOR DEVICE

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

Address: OLIFF & BERRIDGE, PLC
P.O. Box 320850
Alexandria, VA 22320-4850

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00

B. Enclosed (Check No. 203789)

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.

James A. Oliff, Registration No. 27,075
Jesse O. Collier, Registration No. 53,839

Date: March 19, 2008

Total number of pages including cover sheet, attachments, and document: 2

U.S. PTO
12076510
031908

PATENT
REEL: 020716 FRAME: 0058

**ASSIGNMENT
(Two Assignees)**

(1-8) **Insert Name(s) of Inventor(s)**

(1) Akihiro HASEGAWA (4) _____
 (2) _____ (5) _____
 (3) _____ (6) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9A) **Insert Name of First Assignee** (9A) SANYO ELECTRIC CO., LTD.
 (10A) **Insert Address of First Assignee** (10A) 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka, Japan
 (9B) **Insert Name of Second Assignee** (9B) SANYO SEMICONDUCTOR CO., LTD.
 (10B) **Insert Address of Second Assignee** (10B) 1-1, Sakata 1-chome, Oizumi-machi, Ora-gun, Gunma, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) **Insert Identification, such as Title, Case Number or Foreign Application Number** (11) SEMICONDUCTOR DEVICE
 Attorney Docket No. _____

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) **Insert Date of Signing of Application** (12) _____
 on _____

(13) **Alternative Identification for filed applications** (13) U.S. Application Serial Number _____
 filed _____

- 1) Each undersigned agrees to execute all papers necessary in connection with the application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference.
- 3) Each 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 or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application or any divisional, continuing or reissue applications to the said Assignees, as Assignees of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of **OLIFF & BERRIDGE, PLC** the power to insert on this assignment any further identification that 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 whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>March 13, 2008</u>	Inventor Signature	<u>Akihiro Hasegawa</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____

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(Two Assignees)**

(1-8) **Insert Name(s) of Inventor(s)**

(1) Akihiro HASEGAWA (4) _____
 (2) _____ (5) _____
 (3) _____ (6) _____

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 (10B) **Insert Address of Second Assignee** (10B) 1-1, Sakata 1-chome, Oizumi-machi, Ora-gun, Gunma, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

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4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application or any divisional, continuing or reissue applications to the said Assignees, as Assignees of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of **OLIFF & BERRIDGE, PLC** the power to insert on this assignment any further identification that 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.

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Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

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Date _____ Witness _____
 Date _____ Witness _____