

07-06-1999

BOX ASSIGNMENTS

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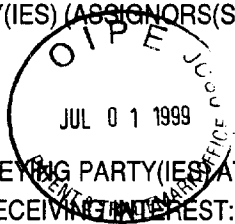
TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS. SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

7/1/99

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Yoshifumi OKABE
- 3. Akira KUROYANAGI
- 5.
- 7.

- 2. Masami YAMAOKA
- 4.
- 6.
- 8.



ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: NIPPONDENSO CO., LTD.

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref. 448 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- CHANGE OF NAME ACCURATE TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: 1st Inventor: April 25, 1991; 2nd Inventor: December 21, 1990; 3rd Inventor: April 25, 1991

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1st Inventor: April 25, 1991; 2nd Inventor: December 21, 1990; 3rd Inventor: April 25, 1991

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1
08962,278	241635				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 241635	31957-USDCD2-AY/ca
MATTER NO.	CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975		
UNDER ORDER NO	30954	241635
dup. sheet not required	CLIENT NO.	MATTER NO.

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.

Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	2
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Attorney: Dale S. Lazar

Reg. No. 28872

Atty/Sec: DSL/slb

TEL: (202) 861-3527

Date: July 1, 1999

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

07/02/1999 DNGUYEN 00000166 08962278

01 FC:581

40.00 DP

Please return signed/recorded to:
Cushman Darby & Cushman
Eleventh Floor
1615 L Street, N.W.
Washington, D.C. 20036-5601

For Inventions
made outside USA
executed with application

USA Patent Appln.
Sole or Joint

ASSIGNMENT

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

Insert Name(s)
of Inventor(s)

- (1) Yoshifumi OKABE (5) _____
- (2) Masami YAMAOKA (6) _____
- (3) Akira KUROYANAGI (7) _____
- (4) _____ [] x box if continued on back

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

Insert Name
of Assignee
and Address

NIPPONDENSO CO., LTD

1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF. 448 JAPAN

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in and to the invention known as

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SAME

Title of
Invention

for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents; and the undersigned hereby authorize(s) and request(s) the United States Commissioner or Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

NOTE ->->->->
(use only
when appln.
signed on
same date)

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

Please sign
concurrently
with Declaration

Signed on the date(s) indicated beside our signatures.

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESS(ES)</u>
1)	<u>Yoshifumi Okabe</u> Name: Yoshifumi OKABE	<u>Apr 25 1991</u>	<u>Atushi Maekawa</u>
2)	<u>Masami Yamooka</u> Name: Masami YAMAOKA	<u>Dec 21, 1990</u>	<u>Toru Kohara</u>
3)	<u>Akira Kuroyanagi</u> Name: Akira KUROYANAGI	<u>Apr 25 1991</u>	<u>Toshio Sakakibara</u>
4)	_____ Name:	_____	_____
5)	_____ Name:	_____	_____
6)	_____ Name:	_____	_____
7)	_____ Name:	_____	_____

FOR ADDITIONAL INVENTORS, check box [] and continue on opposite side