

07-02-1999



FORM PTO-1596

1-31-92

101083696

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No.: 49657-432

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy the text.

1. Name of Conveying Party(ies):

Shigeki TOMISHIMA and Tsukasa OOISHI

6.23.99

Additional name(s) of conveying party(ies) attached? ☐ Yes

2. Name and address of receiving party(ies):

Name: Mitsubishi Denki Kabushiki Kaisha

Address: 2-3, Marunouchi 2-chome, Chiyoda-ku

TOKYO 100-8310, JAPAN

Additional name(s) & address(es) attached? ☐ Yes

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: June 10, 1999

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

If the document is being filed together with a new application, the execution date of the application is: June 10, 1999

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes

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

Name: MCDERMOTT, WILL & EMERY

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: DC Zip: 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

500417

DO NOT USE THIS SPACE

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.

Stephen A. Becker, 26,527

June 23, 1999

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

07/02/1999 NTHA11 00000055 500417 09338581

01 FC:581 40.00 CH

PATENT
REEL: 010059 FRAME: 0432

Docket No.:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>Shigeki TOMISHIMA</u>	(4) _____	(7) _____
(2) <u>Tsukasa OOISHI</u>	(5) _____	(8) _____
(3) _____	(6) _____	(9) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Mitsubishi Denki Kabushiki Kaisha of
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

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

SEMICONDUCTOR DEVICE ALLOWING FAST SENSING WITH A LOW POWER SUPPLY VOLTAGE

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on June 10, 1999

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE:

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

1)	<u>Shigeki Tomishima</u>
	Name: <u>SHIGEKI TOMISHIMA</u>
2)	<u>Tsukasa Oishi</u>
	Name: <u>TSUKASA OOISHI</u>
3)	_____
	Name: _____
4)	_____
	Name: _____
5)	_____
	Name: _____
6)	_____
	Name: _____
7)	_____
	Name: _____
8)	_____
	Name: _____
9)	_____
	Name: _____

DATE SIGNED

<u>June 10, 1999</u>
<u>June 10, 1999</u>

PATENT

RECORDED: 06/23/1999

REEL: 010059 FRAME: 0433