

05-17-2002



FORM PTO-1596

1-31-92

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No.: 57454-552

102093193

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

## 1. Name of Conveying Party(ies):

Ryuji OHMURA, Kazushi SUGIURA, Shinichi  
KOBAYASHI

05/10 8/02

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

## 3. Nature of Conveyance:

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

Execution Date: January 11, 2002

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

Name: MITSUBISHI DENKI KABUSHIKI KAISHA

Address: 2-3, Marunouchi 2-chome,  
Chiyoda-ku,  
TOKYO 100-8310 JAPANName: RYODEN SEMICONDUCTOR SYSTEM  
ENGINEERING CORPORATIONAddress: 4-1, Mizuhara, Itami-shi,  
HYOGO 664-0005 JAPANAdditional name(s) & address(es) attached? ☐ Yes

## 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: January 11, 2002

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 &amp; EMERY

Internal Address:

Street Address: 600 13<sup>th</sup> 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

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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.*

Stephen A. Becker, 26,527

May 8, 2002

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

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

05/16/2002 LNUELLER 00000129 500417 10140104

01 FC:581

40.00 CH

**PATENT**  
**REEL: 012891 FRAME: 0861**

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>Ryuji OHMURA</u>	(4) _____	(7) _____
(2) <u>Kazushi SUGIURA</u>	(5) _____	(8) _____
(3) <u>Shinichi KOBAYASHI</u>	(6) _____	(9) _____

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

(1) Mitsubishi Denki Kabushiki Kaisha of  
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN  
 (2) Ryoden Semiconductor System Engineering Corporation of  
4-1, Mizuhara, Itami-shi, HYOGO 664-0005 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 PROVIDED WITH MEMORY CHIPS

(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 January 11, 2002.

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

DATE SIGNED

1) Ryuji Ohmura  
 Name: Ryuji OHMURA

January 11, 2002

2) Kazushi Sugiura  
 Name: Kazushi SUGIURA

January 11, 2002

3) Shinichi Kobayashi  
 Name: Shinichi KOBAYASHI

January 11, 2002

4) \_\_\_\_\_  
 Name: \_\_\_\_\_

5) \_\_\_\_\_  
 Name: \_\_\_\_\_

6) \_\_\_\_\_  
 Name: \_\_\_\_\_

7) \_\_\_\_\_  
 Name: \_\_\_\_\_

8) \_\_\_\_\_  
 Name: \_\_\_\_\_

9) \_\_\_\_\_  
 Name: \_\_\_\_\_

PATENT

RECORDED: 05/08/2002

REEL: 012891 FRAME: 0862