

05-10-2000

4.24.00

FORM PTO-1596  
1-31-92U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 49657-672

101352878  
PATENT IS ONLY

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

## 1. Name of Conveying Parties:

Koji TANAKA, Jun NAKAI, Yasuhiko TSUKIKAWA, and  
Mikio ASAKURAAdditional name(s) of conveying party(ies) attached? ☐ Yes

## 3. Nature of Conveyance:

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

Execution Date: March 28, 2000

## 2. Name and address of receiving party:

Name: Mitsubishi Denki Kabushiki Kaisha

Address: 2-3, Marunouchi 2-chome  
Chiyoda-ku  
Tokyo 100-8310, JapanAdditional name(s) & address(es) attached? ☐ Yes

## 4. Application number(s) or patent number(s): 09/557867

If the document is being filed together with a new application, the execution date of the application is: March 28, 2000

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

April 24, 2000

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

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

05/09/2000 DMGUYEN 00000259 500417 09557867

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40.00 CH

PATENT  
 REEL: 010763 FRAME: 0988

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>Koji TANAKA</u>	(4) <u>Mikio ASAKURA</u>	(7) _____
(2) <u>Jun NAKAI</u>	(5) _____	(8) _____
(3) <u>Yasuhiko TSUKIKAWA</u>	(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

DATA OUTPUT CIRCUIT THAT CAN DRIVE OUTPUT DATA SPEEDILY AND SEMICONDUCTOR  
MEMORY DEVICE INCLUDING SUCH A DATA OUTPUT CIRCUIT

(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 March 28, 2000.

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) Koji Tanaka  
 Name: KOJI TANAKA

March 28, 2000

2) Jun Nakai  
 Name: JUN NAKAI

March 28, 2000

3) Yasuhiko Tsukikawa  
 Name: YASUHIKO TSUKIKAWA

March 28, 2000

4) Mikio Asakura  
 Name: MIKIO ASAKURA

March 28, 2000

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

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

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

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

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

PATENT

RECORDED: 04/24/2000

REEL: 010763 FRAME: 0989