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

Docket No.: 49657-233

PATENTS ONLY

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

1. Name of Conveying Parties:

Hidefumi OHSAKI, Yoshiki NAKAMURA, Yoshifumi SASAKI, Tomoo ISHIDA, and Yasunori SHIBAYAMA

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

2. Name and address of receiving parties:

Names: 1. Mitsubishi Denki Kabushiki Kaisha of 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, JAPAN  
2. Mitsubishi Electric System LSI Design Corporation of 1-17, Chuo 3-chome, Itami-shi, Hyogo 664-0851 JAPAN

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

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: November 6, 1998

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: November 6, 1998

A. Patent Application No(s).

09 210820

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: 99 Canal Center Plaza, Suite 300

City: Alexandria State: VA Zip: 22314

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

December 15, 1998

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

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

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JCS11 U.S. PTO  
09/210820  
12/15/98

PATENT  
REEL: 9645 FRAME: 0427

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) Hidefumi OHSAKI (4) Tomoo ISHIDA (7) \_\_\_\_\_
- (2) Yoshiki NAKAMURA (5) Yasunori SHIBAYAMA (8) \_\_\_\_\_
- (3) Yoshifumi SASAKI (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) Mitsubishi Electric System LSI Design Corporation of  
1-17, Chuo 3-chome, Itami-shi, HYOGO 664-0851 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  
SIMULATOR, SIMULATION METHOD, AND MEDIUM HAVING SIMULATION PROGRAM RECORDED,  
TAKING ACCOUNT OF TIMING IN ELECTRONIC COMPONENT AND SIGNAL TRANSMISSION THROUGH  
TRANSMISSION LINE ON PRINTED-CIRCUIT BOARD

(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 November 6, 1998

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) Hidefumi Ohsaki \_\_\_\_\_ November 6, 1998  
Name: Hidefumi OHSAKI
- 2) Yoshiki Nakamura \_\_\_\_\_ November 6, 1998  
Name: Yoshiki NAKAMURA
- 3) Yoshifumi Sasaki \_\_\_\_\_ Novmeber 6, 1998  
Name: Yoshifumi SASAKI
- 4) Tomoo Ishida \_\_\_\_\_ November 6, 1998  
Name: Tomoo ISHIDA
- 5) Yasunori Shibayama \_\_\_\_\_ November 6, 1998  
Name: Yasunori SHIBAYAMA
- 6) \_\_\_\_\_  
Name: \_\_\_\_\_
- 7) \_\_\_\_\_  
Name: \_\_\_\_\_
- 8) \_\_\_\_\_  
Name: \_\_\_\_\_
- 9) \_\_\_\_\_  
Name: \_\_\_\_\_

PATENT