



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>Hideki ISHII</u>    | (4) <u>Moriyoshi NAKASHIMA</u> | (7) _____ |
| (2) <u>Kazunari MICHII</u> | (5) _____                      | (8) _____ |
| (3) <u>Jun SHIBATA</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

SEMICONDUCTOR DEVICE

(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 July 2, 2001,

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) Hideki Ishii  
Name: Hideki ISHII

July 2, 2001

2) Kazunari Michii  
Name: Kazunari MICHII

July 2, 2001

3) ~~Kazunari Michii~~ Jun Shibata  
Name: Jun SHIBATA

July 2, 2001

4) Moriyoshi Nakashima  
Name: Moriyoshi NAKASHIMA

July 2, 2001

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

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

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

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

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

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**Conveying Party(ies)**

1. Hideki ISHII	Execution Date(s) July 2, 2001
2. Kazunari MICHII	July 2, 2001
3. Jun SHIBATA	July 2, 2001
4. Moriyoshi NAKASHIMA	July 2, 2001
5. _____	
6. _____	

Mark if Additional Names of Conveying Parties Attached

**Receiving Party**

Name Mitsubishi Denki Kabushiki Kaisha

Name \_\_\_\_\_

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Address \_\_\_\_\_

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Mark if Additional Names of Receiving Parties Attached

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Attorney Docket No. 401307

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Jeffrey A. Wyand  Date July 18, 2001

Name of Person Signing Signature