



PATENT

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- Assignment
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- Other:

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 09/7/00
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Conveying Party(ies)

1. Takumi NAKAHATA
2. Shigemitsu MARUNO
3. Taisuke FURUKAWA
4. Naruhisa MIURA
5. Toshiyuki OISHI
6. Yasunori TOKUDA

Execution Date(s)

- November 2, 2000
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 November 2, 2000
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 November 2, 2000
 November 2, 2000

Mark if Additional Names of Conveying Parties Attached

Receiving Party

Name Mitsubishi Denki Kabushiki Kaisha
 Name
 Address 2-3, Marunouchi 2-chome, Chiyoda-ku
 Address
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 City State/Country Zip Code

9/7/00

Mark if Additional Names of Receiving Parties Attached

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 Attorney Docket No. 400936

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Patent Application Numbers		Patent Numbers	
	40,000 DE		

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
November 2, 2000

Patent Cooperation Treaty (PCT)

Enter PCT application number *only* if a U.S. Application Number has not been assigned.

PCT	PCT	PCT
PCT	PCT	PCT

Number of Properties Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): 40.00

Method of Payment:

- Enclosed is a check in the amount of 750.00
- Charge Deposit Account No. 12-1216

Authorization to Charge Additional Fees to Deposit Account No. 12-1216: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Jeffrey A. Wyand; Reg. No. 29,458
Name of Person Signing

November 21, 2000
Date

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) Takumi NAKAHATA
- (2) Shigemitsu MARUNO
- (3) Taisuke FURUKAWA
- (4) Naruhisa MIURA
- (5) Toshiyuki OISHI
- (6) Yasunori TOKUDA
- (7) _____
- (8) _____
- (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 AND MANUFACTURING METHOD THEREOF

(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 2, 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

- 1) Takumi Nakahata
Name: Takumi NAKAHATA
- 2) Shigemitsu Maruno
Name: Shigemitsu MARUNO
- 3) Taisuke Furukawa
Name: Taisuke FURUKAWA
- 4) Naruhisa Miura
Name: Naruhisa MIURA
- 5) Toshiyuki Oishi
Name: Toshiyuki OISHI
- 6) Yasunori Tokuda
Name: Yasunori TOKUDA
- 7) _____
Name:
- 8) _____
Name:
- 9) _____
Name:

DATE SIGNED

- November 2, 2000
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