

02-01-2005

RE



102930811

U.S. Department of Commerce  
Patent and Trademark Office

PATENT

1-21-05

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- ☒ New  
☐ Resubmission (Non-Recordation)  
 Document ID #  
☐ Correction of PTO Error  
 Reel #                      Frame #  
☐ Corrective Document  
 Reel #                      Frame #

**Conveyance Type**

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

**Conveying Party(ies)**

1. Eitaro ISHIMURA
2. Masaharu NAKAJI
3. Eiji YAGYU
4. Nobuyuki TOMITA
- 5.
- 6.

**Execution Date(s)**

December 6, 2004  
 December 6, 2004  
 December 6, 2004  
 December 6, 2004

☐ Mark if Additional Names of Conveying Parties Attached**Receiving Party**

Name Mitsubishi Denki Kabushiki Kaisha

Name

Address 2-3, Marunouchi 2-chome

Address Chiyoda-ku

Address Tokyo

Japan

100-8310

City

State/Country

Zip Code

☐ Mark if Additional Names of Receiving Parties Attached**Correspondent Name and Address**

Jeffrey A. Wyand  
 Leydig, Voit & Mayer  
 700 Thirteenth St., N.W. Suite 300  
 Washington, D.C. 20005-3960

Telephone: (202) 737-6770  
 Facsimile: (202) 737-6776  
 Attorney Docket No. 403310/AOYAMA

**Pages** Enter the total number of pages of the attached conveyance document including any attachments: 2**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Numbers****Patent Numbers**

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  
 December 6,  
 2004

**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): 400.00

Method of Payment:

☐ Enclosed is a check in the amount of \$☒ Charge Deposit Account No. 12-1216Authorization 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

Name of Person Signing

Signature

Date

Assignment Tml P1

PATENT

REEL: 016197 FRAME: 0523

112975 U.S. PTO  
11/038254

012105

11/038254 121216 11/038254 40.00 DA

01/31/2005 EDCMPT/0000140 40.00 DA

01 FC:8021

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is acknowledged, the undersigned, Eitaro ISHIMURA, Masaharu NAKAJI, Eiji YAGYU and Nobuyuki TOMITA

of c/o MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan

sells, assigns, and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA

of 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8310 JAPAN

(the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled:  
SEMICONDUCTOR DEVICE

which was executed by the undersigned on \_\_\_\_\_,  
or was filed on \_\_\_\_\_ and accorded  
Serial No. \_\_\_\_\_ (the Application);

- (ii) any and all inventions and improvements that are described in the Application;
- (iii) any and all United States Letters Patents that may be granted on the Application (the Patent);
- (iv) any and all divisions, continuations, reexaminations, reissues, or extensions of the Application or the Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

I authorize the Assignee and its agents to insert in this instrument the filing date and serial number of the Application.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

DATE(S):

INVENTOR(S):

Eitaro Ishimura December 6, 2004

Masaharu Nakaji December 6, 2004

Yasu Yagyu December 6, 2004

Mitsuyoshi Tera December 6, 2004