PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Hideaki KIKUCHI | 02/05/2008 |
| Kouichi NAGAI | 02/05/2008 |
| Jirou MIURA | 02/05/2008 |

RECEIVING PARTY DATA

| Name: | FUJITSU LIMITED | |
|-----------------|---|--|
| Street Address: | 1-1 Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi | |
| City: | Kanagawa | |
| State/Country: | JAPAN | |
| Postal Code: | 211-8588 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 12034962 | |

CORRESPONDENCE DATA

Fax Number: (202)822-1111

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

202-822-1100 Phone:

Email: PatentMail@whdapatentlaw.com

Westerman, Hattori, Daniels & Adrian, LL Correspondent Name:

1250 Connecticut Avenue, NW Address Line 1:

Address Line 2: Suite-700

Address Line 4: Washington, DISTRICT OF COLUMBIA 20036-2657

| ATTORNEY DOCKET NUMBER: | 081113 | |
|-------------------------|-------------------|--|
| NAME OF SUBMITTER: | Stephen G. Adrian | |

Total Attachments: 1

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PATENT **REEL: 020610 FRAME: 0148**

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U.S. ASSIGNMENT

| IN CONSIDERATION of the sum of One Dolla inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) FUJITSU LIMITED | ar (\$1.00), | and of other good and valu | able consideration paid to the undersigned |
|---|--|---|---|
| 1-1, Kamikodanaka 4-chome, Nakaham-ku, Kawas | aki-shi, Ku | падаwa 211-8588 Јарап | |
| | | | |
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| | | | |
| (hereinafter, "ASSIGNEE"), the receipt of which is he ASSIGNEE the entire and exclusive right, title and in (Title of Invention) SEMICONDUCTOR DEVICE HAVING METAL W | iterest to the | invention entitled | |
| | | | |
| relating to International Patent Application PCT/JP_executed on even date herewith or, if not so executed, | / | and/or for which applica | tion for Letters Patent of the United States was |
| (a) executed on | ; | (Insert date of execution of | application, if not concurrent) |
| (b) filed on | , | | |
| Scrial No/ | | Assignee's attorney is le data, when known. | tereby authorized to insert in (b) the specified |
| and to said application and all Letters Patent(s) of the substitute, reissue or reexamination application based including any extensions thereof (collectively, herein | thereon, for | the full term or terms for whi | ch the said Letters Patent(s) may be granted and |
| The ASSIGNOR agree(s), when requested by said which the ASSIGNEE may deem necessary, desirable including in the preparation and prosecution of said a reexamination, or public use proceeding, and in any litude to include but not be limited to executing all papersworn testimony, and obtaining and producing evident | e or expedie pplication(s tigation or c ers, includir | ont, for securing, maintaining and the issuance of said Let ther legal proceeding which r | and enforcing protection for said invention, ters Patent(s), in any interference, reissue, nay arise or be declared in relation to same, such |
| IN WITNESS WHEREOF, the undersigned inven | tor(s) has (l | tave) affixed his/her/their sign | nature(s). |
| " 氧地的呢 | F | lideaki KIKUCHI | February 5, 2008 |
| (Signature) | - | (Type Name) | (Date) |
| 2) 水井孝一 | | Kouichi NAGAI | February 5. 2008 |
| (Signature) | | (Type Name) | (Date) |
| 3 三漸寿良 | | Jirou MIURA | February 5 2008 |
| (Signature) | | (Type Name) | (Date) |
| 4) | | | |
| (Signature) | | (Type Name) | (Date) |

RECORDED: 03/06/2008

PATENT REEL: 020610 FRAME: 0149