04-18-2005

Client Code: ASMJP.151AUS



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| 1. Name of conveying party(ies): (List using letters or numbers for multiple parties) 1. Naoto TSUJI 2. Yozo IKEDO 3. Ryu NAKANO 4. Shuzo HEBIGUCHI Additional name(s) of conveying party(ies) attached? () Yes (X) No 3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name () Other: Execution Date: (List as in section 1 if multiple signatures) | 2. Name and address of receiving party(ies): Name: ASM JAPAN K.K. Address: 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0023 Japan Additional name(s) of receiving party(ies) attached? () Yes (X) No 4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 10/930,380 | |
| 1. 4/4/05 and 24. 03/30/05 | Filing Date: August 31, 2004 Additional numbers attached? () Yes (X) No | |
| 5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: ASMJP.151AUS 7. Total fee (37 CFR 1.21(h)): \$40.00 (X) Enclosed | 6. Total number of applications and patents involved: 1 OPRIFICATION 8. Deposit account number: 11-14 TO Please charge this account for any additional fees which may be required, or credit any overpayment to this account. | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoin is a true copy of the original document. Katsuhiro Arai Name of Person Signing Sign 43,315 Registration No. | g information is true and correct, and any attached copy April 8, 2005 Date | |
| Total number of pages including cover sheet, attachments and document: 2 | | |
| Documents transmitted via Mail to be recorded with required cover sheet information to: | | |

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PATENT

Client Code: ASMJP.151AUS

Application No.: 10/930,380 Filing Date: August 31, 2004

ASSIGNMENT

WHEREAS, We, Naoto TSUJI, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, Yozo IKEDO, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, Ryu NAKANO, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, and Shuzo HEBIGUCHI, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, have invented certain new and useful improvements in a METHOD OF FORMING FLUORINE-DOPED LOW-DIELECTRIC-CONSTANT INSULATING FILM for which we have executed an application for Letters Patent in the United States, on August 31, 2004 as Application Serial No.10/930,380;

AND WHEREAS, ASM JAPAN K. K.(hereinafter "ASSIGNEE"), a Japan Corporation, with its principal place of business at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventor, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

| This 4 day of April | , 2005 | 上 追人 |
|----------------------|--------|-------------------------|
| This 30 day of March | , 2005 | Naoto TSUJI ・ 世戸 淳 三 |
| This 30 day of March | , 2005 | Yozo IKEDO 中野 毒) |
| This 30 day of March | , 2005 | Ryu NAKANO |
| | | Shuzo HEBIGUCHI |

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> PATENT REEL: 016456 FRAME: 0613