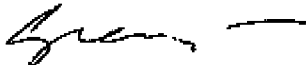


Client Code: ASMFE0.009AUS

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>a. Hessel Sprey b. Akinori Nakano</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>() Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: ASM International, N.V. Address: Versterkerstraat 8, 1322 AP Almere, The Netherlands</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>() Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment () Security Agreement () Merger () Change of Name () Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>a. March 5, 2009 b. March 10, 2009</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 12/370,459 Filing Date: February 12, 2009</p> <p>Additional numbers attached?</p> <p>() Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995</p> <p>Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614</p> <p>Return Fax: (949) 760-9502</p> <p>Attorney's Docket No.: ASMFE0.009AUS</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40.00</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Gregory Tse</u> Name of Person Signing</p> <p><u></u> Signature</p> <p><u>3/11/09</u> Date</p> <p>63,119 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director, U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
Facsimile Number: (571) 273-0140

6779680
031009

700402150

PATENT
REEL: 022383 FRAME: 0605

CH \$40.00 111410 12370459

PATENT

Client Code: ASMFE0.009AUS

Page 1

ASSIGNMENT

WHEREAS, We, Hessel Sprey, a Dutch citizen, residing at Vredestraat 15, B-3010 Kessel-Lo, Belgium, and Akinori Nakano, a Japanese citizen, residing at 29-12, 3-chome, Shimomaruko Ohta-ku, Tokyo, Japan, have invented certain new and useful improvements in a LINER MATERIALS AND RELATED PROCESSES FOR 3-D INTEGRATION for which we have executed an application for Letters Patent in the United States, Application No. 12/370,459, filed on February 12, 2009;

AND WHEREAS, ASM International, N.V. (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at Versterkerstraat 8, 1322 AP Almere, The Netherlands, desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, said inventors, 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 said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto 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 said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its 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 said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

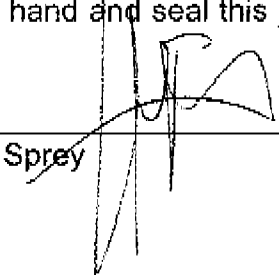
PATENT**REEL: 022383 FRAME: 0606**


PATENT

Client Code: ASMFE0.009AUS

Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 5TH day of
MARCH, 2009.



Hessel Sprey

Witness Signature

J.W. MAES

Witness Name

PATENT

REEL: 022383 FRAME: 0607

PATENT

Client Code: ASMFE0.009AUS

Page 3

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10th day of March, 2009.

Akinori Nakano
Akinori Nakano

松下 清広
Witness Signature

Kiyohiro Matsushita
Witness Name

ASSIGN2

6626351
021109

PATENT

RECORDED: 03/11/2009

REEL: 022383 FRAME: 0608