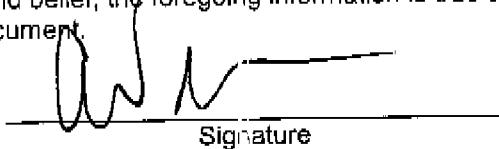


Client Code: ASMEX.593C1

**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>ASM INTERNATIONAL N.V.</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 AMERICA, INC.</p> <p>Internal Address:</p> <p>Street Address: 3440 East University Drive</p> <p>City: Phoenix State: Arizona</p> <p>ZIP: 85034</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</p> <p>() Merger () Change of Name</p> <p>() Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>September 12, 2007</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 11/411,430</p> <p>Filing Date: April 25, 2006</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</p> <p>2040 Main Street, 14th Floor</p> <p>Irvine, CA 92614</p> <p>Return Fax: (949) 760-9502</p> <p>Attorney's Docket No.: ASMEX.593C1</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</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>Andrew N. Merickel Name of Person Signing</p> <p>53,317 Registration No.</p> <p> Signature</p> <p>10/4/07 Date</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

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

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PATENT

Application No.: 11/411,430

Client Code: ASMEX.593C1

Filing Date: 25-Apr-2006

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ASSIGNMENT

WHEREAS, Ivo Raaijmakers, a citizen of The Netherlands, residing at Soestdijkseweg 389, Bilthoven 3723 HD, The Netherlands; Pekka J. Soininen, a Finnish citizen, residing at Haltijatonuntie 21A1, FIN-02200, Espoo, Finland; and Kai-Erik Elers, a Finnish citizen, residing at Härkävaljakontie 7A3, FIN-00750, Helsinki, Finland (hereinafter "APPLICANTS"), have developed new and useful improvements in OXYGEN BRIDGE STRUCTURES AND METHODS TO FORM OXYGEN BRIDGE STRUCTURES, for which APPLICANTS have executed the following two applications for Letters Patent in the United States:

1. U.S. Patent Application No. 10/696,244, filed October 28, 2003, entitled "OXYGEN BRIDGE STRUCTURES AND METHODS TO FORM OXYGEN BRIDGE STRUCTURES" (hereinafter the "PARENT APPLICATION"), which issued on April 25, 2006 as U.S. Patent No. 7,034,397; and
2. U.S. Patent Application No. 11/411,430, filed April 25, 2006, entitled "OXYGEN BRIDGE STRUCTURES AND METHODS TO FORM OXYGEN BRIDGE STRUCTURES" (hereinafter the "430 APPLICATION"), which is a continuation of the PARENT APPLICATION.

WHEREAS, ASM INTERNATIONAL N.V., a Corporation, with its principal place of business at Jan van Eycklaan 10, 3723 BC Bilthoven, THE NETHERLANDS (hereinafter "ASSIGNOR"), represents and warrants that it is the sole owner of the entire right, title, and interest to said improvements for which APPLICANTS have executed the PARENT APPLICATION and the 430 APPLICATION by virtue of an assignment recorded at REEL 014659, FRAME 0853.

AND WHEREAS, ASM America, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 3440 East University Drive, Phoenix, AZ 85034, desires to acquire the entire right, title, and interest in and to the 430 APPLICATION and all U.S. continuing applications that claim priority to the 430 APPLICATION.

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR does hereby acknowledge that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest in the U.S. in, to and under the 430 APPLICATION, and all divisions and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and we hereby authorize and request the Commissioner of Patents of the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for the 430 APPLICATION, and said divisions and said continuations thereof to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNOR does 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 any U.S. patent that issues on the 430 APPLICATION, before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patents immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patents, will sign all lawful papers, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patents in the U.S.

ASSIGNOR does not sell, assign, transfer, or convey the PARENT APPLICATION or any foreign applications that claim priority to the PARENT APPLICATION, including Japanese Patent Application No. 2004-548400, filed October 21, 2003, and Taiwanese Patent Application No. 92129711, filed October 27, 2003.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12th day of September 2007


ASM INTERNATIONAL N.V.

PATENT

REEL: 019932 FRAME: 0975

PATENT

Client Code: ASMEX.593C1

Page 2 of 2

Application No.: 11/411,430
Filing Date: 25-Apr-2006

By: Name Printed: MENSO HENDRIKSTitle: GLOBAL IP MANAGERDate: 12 September 2007

STATE OF

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COUNTY OF

On _____, before me, _____, notary public, personally appeared _____ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that they executed the same in their authorized capacity(ies), and that by their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature4091238
080207

PATENT

RECORDED: 10/04/2007

REEL: 019932 FRAME: 0976