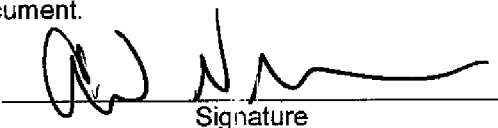


Client Code: ASMMC.009A

**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>Arthur Sherman</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.</p> <p>Internal Address:</p> <p>Street Address: Jan van Eycklaan 10, 3723 BC Bilthoven, 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</p> <p>() Merger () Change of Name</p> <p>() Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>May 22, 2006</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent No.: 5,916,365</p> <p>Issue Date: June 29, 1999</p> <p>Additional numbers attached?</p> <p>(X) Yes () 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.: ASMMC.009A</p>	<p>6. Total number of applications and patents involved: 6</p>
<p>7. Total fee (37 CFR 1.21(h)): \$240</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>Andrew N. Merickel</u> Name of Person Signing</p> <p> Signature</p> <p><u>August 8 2006</u> Date</p> <p>53,317 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

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PATENT
REEL: 018075 FRAME: 0643

CH \$240.00 111410 10683727

Recordation – Additional Patent and Application Numbers

Client Code : ASMMC.009A

Title: SEQUENTIAL CHEMICAL VAPOR DEPOSITION

U.S. Patents

Patent No.	Date Filed	Serial No.	Atty. Docket No.
6,342,277	April 14, 1999	09/291,807	ASMMC.009CP1
6,616,986	October 9, 2001	09/974,162	ASMMC.9CP1C1
6,652,924	May 24, 2001	09/866,156	ASMMC.9CP1DV1

U.S. Patent Applications

Serial No.	Date Filed	Atty. Docket No.
10/683,727	October 10, 2003	ASMMC.9CP1DV1C1
10/692,243	October 22, 2003	ASMMC.9CP1DV1D

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PATENT

Application or Patent No.: SEE Appendix A

Client Code: ASMMC.009***

Page 1

ASSIGNMENT

WHEREAS, Arthur Sherman, an individual with a place of business at 600 Sharon Park Drive, Suite C307, Menlo Park, CA 94025, (hereinafter "ASSIGNOR"), represents that he is the owner of the Letters Patent and applications for Letters Patent in the United States and throughout the world recited on Appendix A (hereinafter "the Patents and Patent Applications"), attached hereto, and of the inventions disclosed therein.

WHEREAS, ASM International N.V., a Netherlands corporation having offices at Jan van Eycklaan 10, 3723 BC Bilthoven, The Netherlands (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the Patents and Patent Applications and the inventions disclosed in the Patents and Patent Applications;

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, any right, title, and interest that ASSIGNOR has throughout the world in, to, and under the said inventions, and the said Patents and Patent Applications and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said inventions or for the said Patents and Patent Applications in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said inventions and all Letters Patent resulting from the Patents and Patent Applications to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

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 the said issued Letters Patent;

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 and Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patents and Patent Applications, will sign all lawful papers, execute all divisional, continuing, and reissue applications, 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 and Patent Applications in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of May, 2006

Arthur Sherman
Arthur Sherman

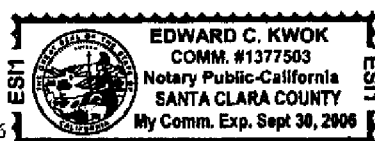
STATE OF CALIFORNIA }
COUNTY OF SANTA CLARA } ss.

On May 22nd 2006, before me, Edward C. Kwok, personally appeared Arthur Sherman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument, and acknowledged to me that by his signature he executed the instrument.

WITNESS my hand and official seal.

[SEAL]

2473626; 032406



Edward C. Kwok
Notary Signature