


Client Code: ASMFE0.002AUS

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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 JAPAN K.K.</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>April 14, 2006</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent No.: 5,707,452</p> <p>Issue Date: January 13, 1998</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.: ASMFE0.002AUS</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><u>Adeel S. Akhtar</u> Name of Person Signing</p> <p><u></u> Signature</p> <p><u>May 8, 2006</u> Date</p> <p>41,394 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

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Application or Patent No.: SEE Appendix A

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ASSIGNMENT

WHEREAS, ASM JAPAN K.K., a Japan corporation having offices at 23-1, 6-chome, Nagayama, Tama-shi, TOKYO, 206-0025, JAPAN (hereinafter "ASSIGNOR"), represents and warrants that it is the sole owner of the entire right, title, and interest to certain new and useful improvements for which U.S. and foreign patents and foreign patent application are listed on the attached Appendix A (hereinafter "the Patents and Patent Applications"); 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.

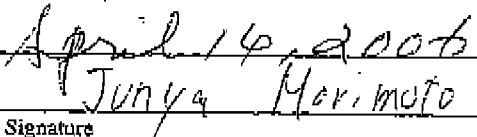
IN TESTIMONY WHEREOF, I hereunto set my hand and seal.

ASM JAPAN K.K.


By: Mr. Akihiko Kizaki

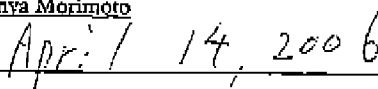
Title: Patent Manager

Date:


Witness Signature

Name: Junya Morimoto

Date:


Date: Apr. 14, 2006

Application or Patent No.: SEE Appendix A

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Appendix A

U.S. Patents

Patent No.	Issue Date	Date Filed	Serial No.	Former Atty. Docket No.	New Atty. Docket No.
5,133,826	July 28, 1992	March 9, 1989	07/320,947	ASMJP.081AUS	ASMFE0.001AUS
5,370,765	December 6, 1994	April 16, 1993	08/048,744	ASMJP.81DCP1	ASMFE0.001DCP1
5,707,452	January 13, 1998	July 8, 1996	08/676,448	ASMJP.082AUS	ASMFE0.002AUS
5,975,014	November 2, 1999	January 12, 1998	09/005,480	ASMJP.082CP1	ASMFE0.002CP1

Foreign Patents

Country	Patent No.	Issue Date	Date Filed	Serial No.	Former Atty. Docket No.	New Atty. Docket No.
Germany	69033089.8	May 6, 1999	March 8, 1990	90905110.4	ASMJP.081VDE	ASMFE0.001VDE
Europe	0462209	May 6, 1999	March 8, 1990	90905110.4	ASMJP.081VEP	ASMFE0.001VEP
France	0462209	May 6, 1999	March 8, 1990	90905110.4	ASMJP.081VFR	ASMFE0.001VFR
Great Britain	0462209	May 6, 1999	March 8, 1990	90905110.4	ASMJP.081VGB	ASMFE0.001VGB
Japan	2886978	February 12, 1999	March 8, 1990	1990/505068	ASMJP.081VJP	ASMFE0.001VJP

Foreign Patent Applications

Country	Application No.	Date Filed	Former Atty. Docket No.	New Atty. Docket No.
Europe	97934029.6	July 1, 1997	ASMJP.082VEP	ASMFE0.002VEP
Japan	1998/505256	July 1, 1997	ASMJP.082VJP	ASMFE0.002VJP

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