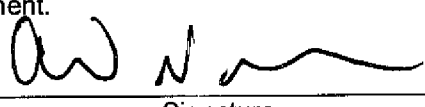


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To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1. Timo Hatanpaa 2. Marko Vehkamaki 3. Mikko Ritala 4. Markku Leskela</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. Internal Address: Street Address: Jan van Eycklaan 10 City: Bilthoven, The Netherland</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>1. 05/24/06 2. 05/24/06 3. 05/24/06 4. 05/24/06</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 11/318,092 Filing Date: December 22, 2005</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 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: SEPP25.001AUS</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>Andrew N. Merickel</u> Name of Person Signing</p> <p><u>53,317</u> Registration No.</p> <p><u></u> Signature</p> <p><u>July 12, 2006</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

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Application No.: 11/318,092
Filing Date: December 22, 2005

PATENT
Client Code: SEEP25.001AUS
Page 1

ASSIGNMENT

WHEREAS, We, Timo Hatanpaa, a Finnish citizen, residing at Kalastajenmaki 2 A 4, FI-02230 Espoo, Finland; Marko Vehkamaki, a Finnish citizen, residing at Koetilankuja 2 H 58, FI-00710 Helsinki, Finland; Mikko Ritala, a Finnish citizen, residing at Juhannusmaki 4 A 2, FI-02200 Espoo, Finland; and Markku Leskela, a Finnish citizen, residing at Rauduntie 19 D, FI-02130 Espoo, Finland, have invented certain new and useful improvements in a PROCESS FOR PRODUCING OXIDE FILM, U.S. Patent Application Number 11/318,092, Filed December 22, 2005;

AND WHEREAS, ASM INTERNATIONAL N.V. (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at Jan van Eycklaan 10, 3723 BC Bilthoven, Netherlands, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:


NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the 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 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 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 the 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, his 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 Letters Patent before or after issuance.

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24th day of May, 2006.


Timo Hatanpaa



Witness Signature

Application No.: 11/318,092
Filing Date: December 22, 2005

PATENT
Client Code: SBEP25.001AUS
Page 2


IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24th day of May, 2006.


Marko Vehkamäki


Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24th day of May, 2006.


Mikko Ritala


Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24th day of May, 2006.


Markku Leskela


Witness Signature

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