

04-21-2003

MFD 4-08-03



TO THE ASSISTANT COMMISSIONER FOR

102426050

documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

ASM Microchemistry OY

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party(ies):

Name: ASM America, Inc.

Internal Address: 3440 East University Drive

Street Address: same as above

City: Phoenix State: AZ ZIP: 85034-7200

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) April 4, 2003

4. Application number(s) or Patent number(s):

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/482,625

Filing Date: January 14, 2000

() Patent No.:

Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Andrew N. Merickel
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Fourteenth Floor

Street Address: 2040 Main Street

City: Irvine State: CA ZIP: 92614

Attorney's Docket No.: ASMMC.013C1

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

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.

Andrew N. Merickel
Name of Person Signing

Signature

Date

53,317
Registration No.

Total number of pages including cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to:

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U.S. Patent and Trademark Office
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Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

415 954 4111

PATENT

Application No.: 09/482,625
Filing Date: January 14, 2000

Client Code: ASMMC.013C1
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ASSIGNMENT

WHEREAS, ASM Microchemistry OY, a Finland corporation having offices at Kutojantie 2B, 02630 Espoo, FINLAND (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 ASSIGNOR has filed the following United States applications for Letters Patents in the United States (hereinafter "the Patent Applications"):

Application No.Filing DateTitle

January 14, 2000

METHOD AND APPARATUS FOR GROWING THIN FILMS

09/482,625 (April 2, 2003 Pekka J. Tieninen)

WHEREAS, ASM America, Inc., a Delaware corporation having offices at 3440 East University Drive, Phoenix, AZ 85034-7200 (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patent Applications;

NOW, THEREFORE, in 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, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the said 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 improvements or for the said 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 improvements and all Letters Patents resulting from the 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 Patents;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the 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 Patent Applications in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4 day of April, 2003



ASM Microchemistry Ltd.

ASM Microchemistry OY

By: *Pekka J. Tieninen*Name Printed: Iikka TiainenTitle: Managing DirectorDate: April 4, 2003