Client Code: ASMEX.284A

09-11-2001

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TO THE ASSISTANT COMMISSIONER F

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al documents or copy thereof.

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

Christophe F. Pomarede, Jeff Roberts and Eric J. Shero

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

()

(X) 08/31/01 2. Name and address of receiving party(ies):

Name: ASM America, Inc.

Internal Address: 3440 East University Drive, Phoen

AZ 85034

Street Address: Same as above

City: State: ZIP:

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

Yes

(X) No

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) August 20, 2001, August 27, 2001 and August 20, 2001

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

Application(s) filed herewith Execution Date(s): August 20, 2001

() Patent Application No.: Filing Date:

Patent No.: () Issue Date:

Additional numbers attached? ()

Yes

No

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

Name:

KNOBBE, MARTENS, OLSON & BEAR, LLP

Customer No. 20,995

Total number of applications and patents involved: 1

Internal Address: Sixteenth Floor Street Address: 620 Newport Center Drive City: Newport Beach State: CA ZIP: 92660

Attorney's Docket No.: ASMEX.284A

Adeel S. Akhtar

Total fee (37 CFR 1.21(h)):

\$40

(X)

(X) Enclosed

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.

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.

Adeel S. Akhtar

Name of Person Signing

41,394

Registration No.

Total number of pages including cover sheet, attachments and document: 3

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

09/10/2001 TDIAZ1

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

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> **PATENT** REEL: 012137 FRAME: 0947

Client Code: ASMEX.284A

Page 1

Application No.: Unknown Filing Date: Herewith

## ASSIGNMENT

WHEREAS, We, Christophe F. Pomarede, a French citizen, residing at 3328 E. Glenhaven Drive, Phoenix, AZ; Jeff Roberts, a United States citizen residing 664 West Desert Bloom, Chandler, AZ 85248; Eric J. Shero, a United States citizen residing at 5702 E. Piedmont, #2293, Phoenix, AZ 85248, have invented certain new and useful improvements in a SURFACE PREPARATION PRIOR TO DEPOSITION for which we have filed provisional application no. 60/253,693, filed November 24, 2000, provisional application no. 60/283,584, filed April 13, 2001, and executed a utility application for Letters Patent in the United States, on even date herewith;

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 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 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 2001 day of August, 2001.

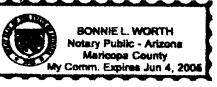
Christophe F. Pomarede

STATE OF Arizona ss.

On Magain 20 2001, before me, Brance to Work Normany Poole, personally appeared Christophe F. Pomarede personally known to me for 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 he executed the same in his authorized capacity(ies), and that by his 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]



Bonne L. 2 Svith

PATENT REEL: 012137 FRAME: 0948

PATENT

Client Code: ASMEX.284A

Page 2

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this and day of August, 2001.

STATE OF Ariturd COUNTY OF MAN, OPA

Application No.: Unknown

Filing Date: Herewith

Bric Saero On ANDWO 20, 2001, before me, Finne L. Whith Nobry Poshs, personally appeared Jeff Roberts personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/aresubscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his 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]

BONNIE L. WORTH Notary Public - Arizona Maricopa County My Comm. Expires Jun 4, 2005

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20th day of August, 2001

STATE OF AN ZUNA

COUNTY OF MAN ( Spa

On August 27 204, before me, Bornic L Wort, World Public personally appeared Eric J. Shero 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 he executed the same in his authorized capacity (les). and that by his 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]

BONNIE L. WORTH Notary Public - Arizona Maricopa County My Comm. Expires Jun 4, 2005

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RECORDED: 08/31/2001