

4/23/01



SHEET

101699008

TO THE ASSISTANT COMMISSIONER FOR PATENTS: Please record the attached original documents or copy thereof.

10972 U.S. PTO  
09/040532  
04/23/01

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

- (1) Paul Jacobson; (2) Robert C. Haro;
- (3) Ravinder Aggarwal; (4) Ivo Raaijmakers

Additional name(s) of conveying party(ies) attached?  
( ) Yes (X) No

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

Name: ASM America, Inc.  
Street Address: 3440 University Drive  
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) (1) 4/6/01; (2) 3/22/01; (3) 3/21/01; (4) 4/11/01

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

- (X) Application(s) filed herewith
- Execution Date(s): (1) 4/6/01; (2) 3/22/01; (3) 3/21/01; (4) 4/11/01

Additional numbers attached? ( ) Yes (X) No

091840532

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

Name: Adeel S. Akhtar  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995  
Internal Address: Sixteenth Floor  
Street Address: 620 Newport Center Drive  
City: Newport Beach State: CA ZIP: 92660  
Attorney's Docket No.: ASMEX.270A

7. Total fee (37 CFR 3.41): \$40.00

- (X) Enclosed
- ( ) Authorized to be charged to deposit account

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.

Adeel S. Akhtar  
Name of Person Signing

*Adeel S. Akhtar*  
Signature

April 23, 2001  
Date

41349  
Registration No.

Total number of pages including cover sheet, attachments and document: 4

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

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

Application No.: Unknown  
Filing Date: Herewith

ASSIGNMENT

WHEREAS, We, Paul Jacobson, a United States citizen, residing at 4116 East Tanglewood, Phoenix, AZ 85048, Ivo Raaijmakers, a citizen of the Netherlands, residing at Soestdijksweg 389, Bilthoven 3723 HD, The Netherlands, Ravinder Aggarwal, a citizen of India, residing at 819 W. Royal Palms Drive, Gilbert, AZ 85233, Robert C. Haro, a citizen of the United States, re, have invented certain new and useful improvements in a HIGH TEMPERATURE DROP-OFF OF A SUBSTRATE for which we have executed an application for Letters Patent in the United States, herewith;

AND WHEREAS, ASM AMERICA, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 3440 East University Drive, Phoenix, AZ 85034-7200, 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 6 day of April, 2001.

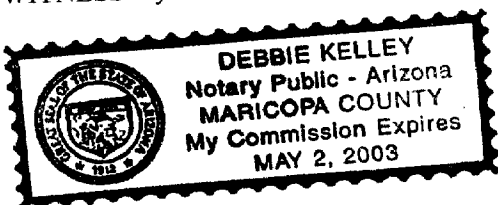
Paul Jacobson  
Paul Jacobson

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

on April 6, 2001, before me, Debbie Kelley, personally appeared Paul Jacobson 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(~~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]



Debbie Kelley  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of March, 2001.

Robert C. Haro

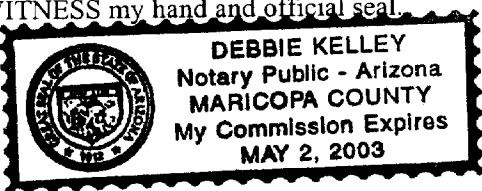
Robert C. Haro

STATE OF Arizona  
COUNTY OF Maricopa ] ss.

On March 22, 2001 before me, Debbie Kelley, personally appeared Robert C. Haro 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(~~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]



Debbie Kelley  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21<sup>st</sup> day of MARCH, 2001.

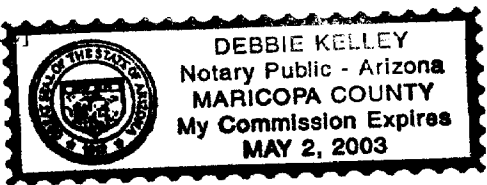
Ravinder Aggarwal  
Ravinder Aggarwal

STATE OF Arizona  
COUNTY OF Maricopa ] ss.

On March 21, 2001 before me, Debbie Kelley, personally appeared Ravinder Aggarwal 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(~~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.

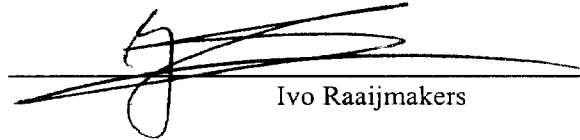
WITNESS my hand and official seal.

[SEAL]



Debbie Kelley  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of April, 2001.

  
Ivo Raaijmakers

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