

3-16-07
Client Code: ASMEX.564A

03-30-2007



EET

U.S. PTO
11/724853
03/16/2007

To the Director, U.S. Patent and Tr

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hed original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1) Ravinder Aggarwal 2) Jeroen Stoutjesdijk</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 America, Inc.</p> <p>Internal Address:</p> <p>Street Address: 3440 East University Drive</p> <p>City: Phoenix State: AZ</p> <p>ZIP: 85034-7200</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>1) 03/07/07 2) 03/09/07</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Application(s) filed herewith</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.: ASMEX.564A</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) Enclosed</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>Amy C. Christensen</u> Name of Person Signing</p> <p><u><i>Amy Christensen</i></u> Signature</p> <p><u>3-16-07</u> Date</p> <p>52,742 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

Documents transmitted via Mail to be recorded with required cover sheet information to:

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03/20/2007 SSITHIB1 00000045 11724853

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PATENT
REEL: 019097 FRAME: 0506

ASSIGNMENT

WHEREAS, We, Ravinder Aggarwal, a United States citizen, residing at 819 W. Royal Palms Drive, Gilbert, AZ 85233, and Jeroen Stoutjesdijk, a Dutch citizen, residing at Visserstraat 16, 1401 SX Bussum, Netherlands, have invented certain new and useful improvements in a SUBSTRATE HANDLING CHAMBER WITH MOVABLE SUBSTRATE CARRIER LOADING PLATFORM for which we have executed an 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 said improvements and said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, 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 said ASSIGNEE, his successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and 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 said ASSIGNEE, his 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 said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, his 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 said ASSIGNEE, his 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 7th day of
MARCH, 2007

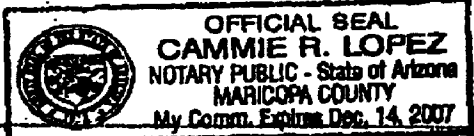

Ravinder Aggarwal

STATE OF Arizona }
COUNTY OF Maricopa } ss.

On 3/7/07, before me, Cammie Lopez, notary public,
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]




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of
____, 20__.

Jeroen Stoutjesdijk

STATE OF _____ }
COUNTY OF _____ } ss.

On _____, before me, _____, notary public,
personally appeared Jeroen Stoutjesdijk 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),
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the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

3443563/021907

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of
____, 20__.

Ravinder Aggarwal

STATE OF
COUNTY OF

} ss.

On _____, before me, _____, notary public,
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the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9th day of
MARCH, 2007

Jeroen Sloutjesdijk

Country: the Netherlands

Witness Signature

Hanna Heider

3443553/021907

COPY

Application No.: Unknown
Filing Date: Herewith

PATENT
Client Code: ASMEX.564A
Page 1

ASSIGNMENT

WHEREAS, We, Ravinder Aggarwal, a United States citizen, residing at 819 W. Royal Palms Drive, Gilbert, AZ 85233, and Jeroen Stoutjesdijk, a Dutch citizen, residing at Visserstraat 16, 1401 SX Bussum, Netherlands, have invented certain new and useful improvements in a **SUBSTRATE HANDLING CHAMBER WITH MOVABLE SUBSTRATE CARRIER LOADING PLATFORM** for which we have executed an application for Letters Patent in the United States, on even date herewith;

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NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, 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 said ASSIGNEE, his successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and 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 said ASSIGNEE, his 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 said Letters Patent before or after issuance.

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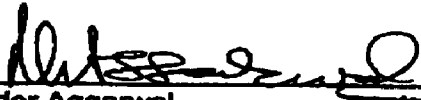
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Application No.: Unknown
Filing Date: Herewith

PATENT
Client Code: ASMEX.564A
Page 2

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MARCH, 2007

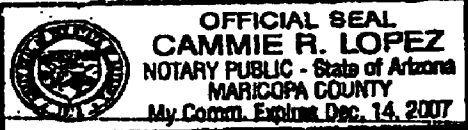

Ravinder Aggarwal


STATE OF Arizona }
COUNTY OF Maricopa } ss.

On 3/7/07, before me, Cammie Lopez, notary public,
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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]




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of
_____, 20__.

Jeroen Stoutjesdijk

STATE OF _____ }
COUNTY OF _____ } ss.

On _____, before me, _____, notary public,
personally appeared Jeroen Stoutjesdijk 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),
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WITNESS my hand and official seal.

[SEAL]

Notary Signature

3443553/021907

COPY

PATENT
REEL: 019097 FRAME: 0511

COPY

Application No.: Unknown
Filing Date: Herewith

PATENT
Client Code: ASME564A
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of
____, 20__.

Ravinder Aggarwal

STATE OF
COUNTY OF

ss.

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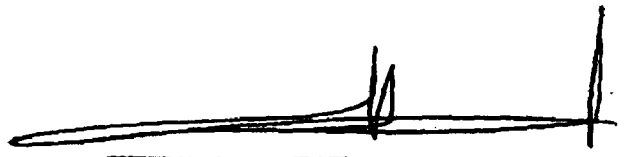
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9th day of
MARCH, 2007



Jeroen Sluiterdijk

Country: the Netherlands



Witness Signature

Hanna Helder

3443553021907

COPY