

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KYLE FONDURULIA	10/10/2007
ERIC SHERO	10/10/2007
MOHITH E. VERGHESE	10/10/2007
CARL L. WHITE	10/10/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ASM AMERICA, INC.
<b>Street Address:</b>	3440 EAST UNIVERSITY DRIVE
<b>City:</b>	PHOENIX
<b>State/Country:</b>	ARIZONA
<b>Postal Code:</b>	85034-7200
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13404700
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	ASMEX.605D1
<b>NAME OF SUBMITTER:</b>	SCOTT SIERA
<b>SIGNATURE:</b>	/Scott Siera/
<b>DATE SIGNED:</b>	01/12/2017
<b>Total Attachments: 4</b>	
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Application No.: 11/870,374  
Filing Date: October 10, 2007

**PATENT**  
Client Code: ASMEX.605A  
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### ASSIGNMENT

WHEREAS, We, Kyle Fondurulia, a U.S. citizen, residing at 4051 East Yawepe St., Phoenix, AZ 85044, Eric Shero, a U.S. citizen, residing at 2548 E. Lupine Ave., Phoenix, AZ 85028, Mohith E. Verghese, a U.S. citizen, residing at 6102 North 22<sup>nd</sup> Dr., Phoenix, AZ 85015, and Carl L. White, a U.S. citizen, residing at 1518 W. Islandia Dr., Gilbert, AZ 85233, have invented certain new and useful improvements in a PRECURSOR DELIVERY SYSTEM for which we have caused to be filed an application for Letters Patent in the United States; and we hereby authorize and request the attorneys of Knobbe, Martens, Olson & Bear, LLP, Customer No. 68,852, to insert here in parentheses (Application Number 11/870,374, filed October 10, 2007) the filing date and application number of said application when known;

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 said improvements and said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). 60/850,886, filed October 10, 2006 (respectively if plural applications)), 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 I 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, 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 said Letters Patent before or after issuance.

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

Application No.: 11/870,374  
Filing Date: October 10, 2007

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of October, 2007

Kyle Fondurulia  
Kyle Fondurulia

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

On 10/10/07, before me, Cammie Lopez, notary public, personally appeared Kyle Fondurulia 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]



Cammie Lopez  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10<sup>th</sup> day of October, 2007

Eric Shero  
Eric Shero

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

On 10/10/07, before me, Cammie Lopez, notary public, personally appeared Eric 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(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]

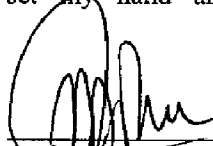


Notary Signature

Application No.: 11/870,374  
Filing Date: October 10, 2007

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of October, 2007.

  
Mohith E. Verghese

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

On 10/10/07, before me, Cammie Lopez, notary public, personally appeared Mohith E. Verghese 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]



Cammie R. Lopez  
Notary Signature

Application No.: 11/870,374  
Filing Date: October 10, 2007

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of October, 2007.

Carl L. White

Carl L. White

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

On 10/10/07, before me, Cammie Lopez, notary public, personally appeared Carl L. White 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]



Cammie Lopez  
Notary Signature

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