

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2740776

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUCIAN C. JDIRA	02/06/2014
HERBERT TERHORST	02/06/2014
MICHAEL HALPIN	02/21/2014
CARL WHITE	02/13/2014
TODD ROBERT DUNN	02/13/2014
ERIC SHERO	02/14/2014
MELVIN VERBASS	02/13/2014
CHRISTOPHER WUESTER	02/13/2014
KYLE FONDURULIA	02/13/2014

RECEIVING PARTY DATA

Name:	ASM IP HOLDING B.V.
Street Address:	VERSTERKERSTRAAT 8
City:	ALMERE
State/Country:	NETHERLANDS
Postal Code:	1322 AP

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14188760

CORRESPONDENCE DATA

Fax Number: (602)382-6070
 Phone: 6023826337
 Email: dboyd@swlaw.com
Correspondence will be sent via US Mail when the email attempt is unsuccessful.
 Correspondent Name: SNELL & WILMER L.L.P. / DAMON L. BOYD
 Address Line 1: ONE ARIZONA CENTER
 Address Line 2: 400 EAST VAN BUREN STREET

Address Line 4: PHOENIX, ARIZONA 85004-2202

ATTORNEY DOCKET NUMBER: 56436.06300

NAME OF SUBMITTER: DAMON L. BOYD

Signature: /Damon L. Boyd/

Date: 02/25/2014

Total Attachments: 5
source=5643606300ASN#page1.tif
source=5643606300ASN#page2.tif
source=5643606300ASN#page3.tif
source=5643606300ASN#page4.tif
source=5643606300ASN#page5.tif

ASSIGNMENT

UTILITY PATENT

WHEREAS, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the address(es) indicated below, have invented a(n) **Gas Supply Manifold and Method of Supplying Gases to Chamber Using Same** for which application for Letters Patent of the United States is being applied for herewith (hereinafter "Application");

AND WHEREAS, **ASM IP Holding B.V.** (hereinafter "ASSIGNEE"), a corporation having its principal place of business at Versterkerstraat 8, 1322 AP Almere, The Netherlands, is desirous of acquiring the entire right, title, and interest in and to the Application and the invention as described in the Application, and is a non-Inventor Applicant;

AND WHEREAS, a "formal application," as referred to herein, shall include the Application including any provisional, non-provisional, design, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document thereof,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents do sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title, and interest in and to the Applications, the invention as described in the Application, and all formal applications which may be filed based in whole or in part on one or more of the aforesaid applications, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

AND HEREBY AGREE to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEE.

IN ADDITION, I authorize any attorney associated with Snell & Wilmer L.L.P. to insert on this document the serial number, filing date, and any further identification that may be necessary or desirable by the U.S. Patent and Trademark Office.

EXECUTED as of the date(s) written below by ASSIGNOR:

Application No.: _____
Filed: _____

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Lucian C. Idira	<u>Van der Kerkhofstraat 8</u> <u>Almere, Netherlands</u>	<u>[Signature]</u>	<u>06.02.2014</u>

WITNESS NAME	SIGNATURE	DATE
<u>Jürgen Mulder</u>	<u>[Signature]</u>	<u>06.02.2014</u>

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Herbert Terhorst	<u>A. Schiedeweg 48</u> <u>Amersfoort, Netherlands</u> <u>3822 GX</u>	<u>[Signature]</u>	<u>06/02/2014</u>

WITNESS NAME	SIGNATURE	DATE
<u>Jürgen Mulder</u>	<u>[Signature]</u>	<u>06.02.2014</u>

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Michael Halpin	<u>Scottsdale, Arizona</u> <u>United States</u>	_____	_____

WITNESS NAME	SIGNATURE	DATE
_____	_____	_____

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Carl White	<u>Gilbert, Arizona</u> <u>United States</u>	_____	_____

Application No.: _____
Filed: _____

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Lucian C. Jdira</u>	<u>Almere, Netherlands</u>	_____	_____

WITNESS NAME	SIGNATURE	DATE
_____	_____	_____

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Herbert Terhorst</u>	<u>Amersfoort, Netherlands</u>	_____	_____

WITNESS NAME	SIGNATURE	DATE
_____	_____	_____

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Michael Halpin</u>	<u>6025 E. WETHERSFIELD RD. Scottsdale, Arizona 85254 United States</u>	<u>[Signature]</u>	<u>2-2-14</u>

WITNESS NAME	SIGNATURE	DATE
<u>Todd Dunn</u>	<u>[Signature]</u>	<u>2-21-14</u>

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Carl White</u>	<u>1518 W. Islandia Dr. Gilbert, Arizona United States</u>	<u>[Signature]</u>	<u>2/19/2014</u>

Application No.: _____
Filed: _____

WITNESS NAME	SIGNATURE	DATE
<u>TODD DUNN</u> <u>T. Dunn</u>	<u>T. Dunn</u>	<u>2-13-14</u>

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Todd Robert Dunn</u>	<u>37224 N 46th Way</u> <u>Cave Creek, Arizona 85331</u> <u>United States</u>	<u>T. Dunn</u>	<u>2/10/14</u>

WITNESS NAME	SIGNATURE	DATE
<u>John K. Shugrae</u>	<u>[Signature]</u>	<u>2/13/2014</u>


INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Eric Shero</u>	<u>Phoenix, Arizona</u> <u>United States 85024</u> <u>2548 E. Lupine Avenue</u>	<u>[Signature]</u>	<u>2/14/14</u>


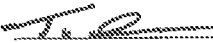
WITNESS NAME	SIGNATURE	DATE
<u>Todd Dunn</u>	<u>T. Dunn</u>	<u>2/14/14</u>

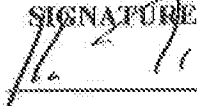
INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Melvin Verbass</u>	<u>Lelystad, Netherlands</u>	<u>[Signature]</u>	<u>2/13/14</u>

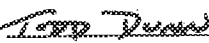
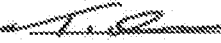
WITNESS NAME	SIGNATURE	DATE
<u>Todd Dunn</u>	<u>T. Dunn</u>	<u>2-13-14</u>

Application No.: _____
Filed: _____

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Christopher Wuester</u> <i>Chandler</i>	<u>2085 E. Crescent A</u> <u>Chandler, Arizona 85249</u> <u>United States</u>	<u></u>	<u>2/13/14</u>

WITNESS NAME	SIGNATURE	DATE
<u></u>	<u></u>	<u>2/12/14</u>

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
<u>Kyle Fondurulia</u>	<u>4137 E. WALATONIA</u> <u>Phoenix, Arizona</u> <u>United States</u>	<u></u>	<u>2/13/14</u>

WITNESS NAME	SIGNATURE	DATE
<u></u>	<u></u>	<u>2/13/14</u>

SNELL & WILMER, L.L.P.
Damon L. Boyd, Esq.
One Arizona Center
400 East Van Buren
Phoenix, Arizona 85004-2202
Tel: (602) 382-6337
Fax: (602) 382-6070