01/13/2017 504182600

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4225976

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOHITH VERGHESE	09/16/2016
ERIC JAMES SHERO	09/16/2016
CARL LOUIS WHITE	09/16/2016
KYLE FONDURULIA	09/16/2016

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:	15283120

CORRESPONDENCE DATA

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Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP

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Address Line 4: **IRVINE, CALIFORNIA 92614**

ATTORNEY DOCKET NUMBER:	ASMEX.775A
NAME OF SUBMITTER:	SCOTT SIERA
SIGNATURE:	/Scott Siera/
DATE SIGNED:	01/13/2017

Total Attachments: 5

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Inventors: Verghese et al. 15/283120 Docket Number: ASMEX.775A Application No.:

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Filing Date: September 30, 2016

ASSIGNMENT

WHEREAS, Mohith Verghese, Eric James Shero, Carl Louis White, and Kyle Fondurulia (individual(s) hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to REACTANT VAPORIZER AND RELATED SYSTEMS AND METHODS (collectively hereinafter referred to as the "Work") for which one or more patent applications (hereinafter the "Application") were prepared and will be filed in the U.S. Patent and Trademark Office.

AND WHEREAS, ASM IP Holding B.V., with its principal place of business at Versterkerstraat 8, Almere, 1322 AP, The Netherlands (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does 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 the Application and the Work, including all provisional applications relating thereto, and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations 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 any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests 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 related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its 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 ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries. If ASSIGNOR is requested by the owner of the rights conveyed hereby to take action under this paragraph the owner shall reimburse ASSIGNOR for reasonable out-of-pocket expenses actually paid by ASSIGNOR and incurred and paid as a result of complying with the owner's request; provided that a written expense report must be submitted with copies of receipt(s) showing the amount actually paid.

Assignment
Inventors: Verghese et al.

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AND ASSIGNOR DOES hereby authorize and request the attorneys of Knobbe, Martens, Olson & Bear, LLP, Customer No. 20995, to insert into the header the filing date and application number of the Application when known.

Legal Name of inventor: Mohith Verghese

Signature:

Date: 9 16

Signature before a Notary is desirable but not required. When signed

documentation.

in presence of a Notary, please attach the appropriate notarial

Docket Number: ASMEX.775A

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Inventors: Verghese et al.
Application No.: 15/283120

Filing Date: September 30, 2016

Legal Name of inventor: ≱ric James Shero

Signature:

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

Inventors: Verghese et al. Docket Number: ASMEX.775A Application No.: 15/283120

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Filing Date: September 30, 2016

Legal Name of inventor: Carl Louis White

Date: 09/14/2016 Signature:

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documentation.

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Inventors: Verghese et al. Application No.: 15/283120

Filing Date: September 30, 2016

Legal Name of inventor: Kyle Fondurulia

Signature: //

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial

documentation.

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PATENT REEL: 041001 FRAME: 0302

RECORDED: 01/13/2017