## 504665889 11/30/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4712611

| SUBMISSION TYPE:      | NEW ASSIGNMENT                     |  |
|-----------------------|------------------------------------|--|
| NATURE OF CONVEYANCE: | NOTICE OF ASSIGNMENT AND QUITCLAIM |  |

#### **CONVEYING PARTY DATA**

| Name                   | Execution Date |
|------------------------|----------------|
| ASM INTERNATIONAL N.V. | 11/30/2017     |

### **RECEIVING PARTY DATA**

| Name:           | ASM IP HOLDING B.V. |  |
|-----------------|---------------------|--|
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| City:           | ALMERE              |  |
| State/Country:  | NETHERLANDS         |  |
| Postal Code:    | 1322 AP             |  |

## **PROPERTY NUMBERS Total: 7**

| Property Type  | Number  |
|----------------|---------|
| Patent Number: | 6783590 |
| Patent Number: | 7018478 |
| Patent Number: | 7537662 |
| Patent Number: | 7601223 |
| Patent Number: | 6562140 |
| Patent Number: | 6579374 |
| Patent Number: | 7833352 |

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| ATTORNEY DOCKET NUMBER: SEPP12.001AUS / 001C1 |                     |  |
|---|---------------------|--|
| NAME OF SUBMITTER:                            | ADEEL S. AKHTAR     |  |
| SIGNATURE:                                    | /Adeel Syed Akhtar/ |  |
| DATE SIGNED:                                  | 11/30/2017          |  |

504665889 PATENT REEL: 044591 FRAME: 0180

# **Total Attachments: 2**

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PATENT REEL: 044591 FRAME: 0181 Patent Nos.: SEE LIST Attorney Docket Nos.: SEE LIST

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#### NOTICE OF ASSIGNMENT AND QUITCLAIM ASSIGNMENT

WHEREAS, ASM International N.V., a Netherlands corporation formerly having offices Jan van Eycklaan 10, Bilthoven, 3723 BC, the Netherlands, is the assignee of record at the United States Patent and Trademark Office for the following issued Letters Patent in the United States (hereinafter "the Patents"):

| Patent No. | Issue Date        | Date Filed        | Serial No. | Atty Docket No. |
|------------|-------------------|-------------------|------------|-----------------|
| 6,783,590  | August 31, 2004   | April 16, 2001    | 09/835,931 | SEPP12.001AUS   |
| 7,018,478  | March 28, 2006    | July 16, 2004     | 10/893,027 | SEPP12.001C1    |
| 7,537,662  | May 26, 2009      | April 29, 2003    | 10/428,207 | ASMMC.050AUS    |
| 7,601,223  | October 13, 2009  | February 18, 2004 | 10/782,727 | ASMMC.050CP1    |
| 6,562,140  | May 13, 2003      | May 10, 2000      | 09/568,077 | ASMMC.012AUS    |
| 6,579,374  | June 17, 2003     | January 25, 2001  | 09/769,562 | ASMMC.012C1     |
| 7,833,352  | November 16, 2010 | March 6, 2003     | 10/383,291 | ASMMC.012C2     |

WHEREAS, the undersigned parties (hereinafter "ASSIGNORS") have executed the following legal instruments (hereinafter "the Transfer Documents") in order to transfer all right, title and interest to the Patents to ASM IP Holding B.V. (hereinafter "ASSIGNEE"):

- 1. Capital Contribution Agreement, effective November 16, 2011, transferring all right, title and interest in the Patents from ASM International N.V. to ASM Europe B.V., which underwent a name change from ASM Europe B.V. to ASM Netherlands Holding B.V., effective November 21, 2011.
- 2. Deed of Legal Demerger, effective December 30, 2011, transferring all right, title and interest to the Patents from ASM Netherlands Holding B.V. to ASSIGNEE.
- 3. Declaration, dated November 30, 2017, confirming the forgoing transfers are effective to transfer all right, title and interest to the Patents from ASM International B.V. to ASM IP Holding B.V. as of December 30, 2011 and confirming the name change from ASM Europe B.V. to ASM Netherlands Holding B.V.

WHEREAS, ASSIGNEE desires to affirm its entire right, title, and interest in and to the Patents and to the improvements disclosed in the Patents.

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS further acknowledge that by way of the Transfer Documents, ASSIGNORS have sold, assigned, and transferred, and by these presents do hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, any right, title, and interest throughout the world in, to, and under the said improvements, and the Patents and all patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for the Patents in any country or countries foreign to the United States; and ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patent resulting from the Patents to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of the Transfer Documents.

ASSIGNORS acknowledge that by way of the Transfer Documents, ASSIGNORS have sold, assigned, and transferred, and by these presents do 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 the Patents;

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Attorney Docket Nos. SEE LIST

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ASSIGNORS hereby covenant and agree that they will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNORS respecting the Patents immediately upon becoming aware of those facts, and that it will cause appropriate personnel to testify in any legal preceding involving any of the Patents, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patents in all countries.

IN TESTIMONY WHEREOF, I bereinto set my hand and seal.

ASM INTERNATIONAL N.V.

By (signature)

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IN THIS EMPLOY AND REACH Thereum o set my hand and seal

ASM NETHERLANDS HOLDING B.V.

By (signature)

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