

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ASM MICROCHEMISTRY OY	11/26/2003
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ASM INTERNATIONAL N.V.
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<b>City:</b>	BILTHOVEN
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	3723 BC
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7771534
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	SEPP21.001C2
<b>NAME OF SUBMITTER:</b>	ANDREW N. MERICKEL
<b>SIGNATURE:</b>	/Andrew N. Merickel/
<b>DATE SIGNED:</b>	12/03/2018
<b>Total Attachments: 3</b>	
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source=Signed Assignment [ASM Microchemistry Oy to ASM International]#page3.tif	

## ASSIGNMENT

WHEREAS, ASM Microchemistry OY, a Finnish corporation having offices at Kutojantie 2B, 02630 Espoo, Finland (hereinafter "ASSIGNOR"), represents that it has certain right, title and interest in the United States issued Letters Patents and applications for Letters Patents in the United States (hereinafter "the Patents and Patent Applications") recited on Appendix A, attached hereto, and in the inventions disclosed therein.

WHEREAS, ASM International N.V., a Netherlands corporation having offices at Jan van Eycklaan 10, 3723 BC Bilthoven, THE NETHERLANDS (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patents and Patent Applications;

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, any right, title, and interest that ASSIGNOR has throughout the world in, to, and under the said inventions, and the said Patents and Patent Applications 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 inventions or for the said Patents and Patent Applications in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests 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 Patents for said inventions and all Letters Patents resulting from the Patents and Patent Applications to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

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 the said issued Letters Patents;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patents and Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patents and Patent Applications, 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 and Patent Applications in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 26 day of November, 2003

\_\_\_\_\_  
ASM Microchemistry OY

By: Jukka Tainio

Name Printed: JUKKA TAINIO

Title: MANAGING DIRECTOR

[Signature]  
\_\_\_\_\_  
Witness Signature

PATENTS			
SERIAL NO.	DATE FILED	PATENT NO.	ATTN. DOCKET NO.
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PATENT APPLICATIONS		
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