

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3842133

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JACOB HUFFMAN WOODRUFF	04/12/2016
MICHAEL EUGENE GIVENS	04/21/2016
BED SHARMA	04/12/2016
PETRI RÄISÄNEN	04/13/2016
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:	15064404
CORRESPONDENCE DATA	
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Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR, LLP
Address Line 1:	2040 MAIN STREET
Address Line 2:	14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	ASMEX.773A
NAME OF SUBMITTER:	JOHN J. SADLIK
SIGNATURE:	/John J. Sadlik/
DATE SIGNED:	04/22/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 5	

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COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMEX.773A

Page 1 of 5

Title: SELECTIVE FORMATION OF METAL SILICIDES

Inventors: Jacob Huffman Woodruff, Michael Eugene Givens, Bed Sharma, and Petri Räsänen

Declaration

This Declaration is directed to the application identified above that:

Was filed **March 8, 2016** as U.S. or International Application No. **15/064,404** and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, **above-identified inventors** (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, **ASM IP Holding B.V.**, with its principal place of business at Versterkerstraat 8, Almere, 1322 AP 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 of which receipt 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 Patent Properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto;

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, 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.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any

PATENT

REEL: 038354 FRAME: 0069

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*

Docket No.: ASMEX.773A

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Title: SELECTIVE FORMATION OF METAL SILICIDES

Inventors: Jacob Huffman Woodruff, Michael Eugene Givens, Bed Sharma, and Petri Räisänen

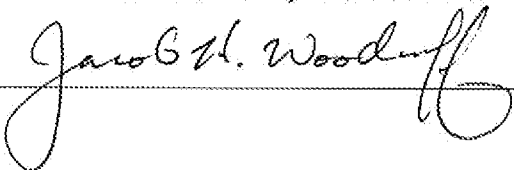
Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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 Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute 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.

Legal Name of inventor: Jacob Huffman Woodruff

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of April, 2016.

Signature: **PATENT****REEL: 038354 FRAME: 0070**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMEX.773A

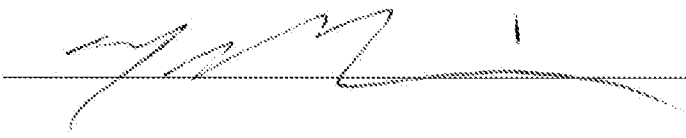
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Title: SELECTIVE FORMATION OF METAL SILICIDES

Inventors: Jacob Huffman Woodruff, Michael Eugene Givens, Bed Sharma, and Petri Räisänen

Legal Name of inventor: Michael Eugene Givens

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of APRIL,
2016.

Signature: 

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMEX.773A

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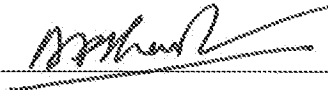
Title: SELECTIVE FORMATION OF METAL SILICIDES

Inventors: Jacob Huffman Woodruff, Michael Eugene Givens, Bed Sharma, and Petri Räisänen

Legal Name of inventor: Bed Sharma

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of April,
2016.

Signature: _____



COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

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Title: SELECTIVE FORMATION OF METAL SILICIDES

Inventors: Jacob Huffman Woodruff, Michael Eugene Givens, Bed Sharma, and Petri Räisänen

Legal Name of inventor: Petri Räisänen

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of April,
2016.

Signature: 