

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PETRI RAISANEN	06/26/2015
	MICHAEL GIVENS	06/26/2015
	ERIC JAMES SHERO	06/26/2015
RECEIVING PARTY DATA		
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State/Country:	NETHERLANDS	
Postal Code:	1322 AP	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14752712	
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DATE SIGNED:	06/26/2015	
Total Attachments: 1		
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ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") have made an invention entitled: "STRUCTURES INCLUDING METAL CARBIDE MATERIAL, DEVICES INCLUDING THE STRUCTURES, AND METHODS OF FORMING SAME" for which an application for United States Letters Patent is being or has been filed; and


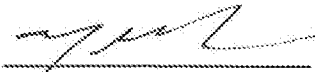

AND WHEREAS, ASM IP Holding B.V. (hereinafter "ASSIGNEE"), having a principal place of business at Versterkerstraat 8, 1322 AP Almere, The Netherlands, is desirous of acquiring the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention, as well as all applications related to this application now or hereafter filed anywhere in the world and all Letters Patents granted from any of the foregoing applications;

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.

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

<u>INVENTOR'S NAME</u>	<u>HOME ADDRESS</u>	<u>SIGNATURE</u>	<u>DATE</u>
Petri Raisanen	930 South Silverado Street Gilbert, AZ 85296		26-Jun-2015
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