

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7604960

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KATJA VÄYRYNEN	11/09/2020
TIMO HATANPÄÄ	11/09/2020
ANTON VIHERVAARA	11/09/2020
MIKKO RITALA	11/11/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ASM IP HOLDING B.V.
<b>Street Address:</b>	VERSTERKERSTRAAT 8
<b>City:</b>	ALMERE
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1322 AP
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17971684
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(602)382-6070
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(602) 382-6000
<b>Email:</b>	dgilden@swlaw.com
<b>Correspondent Name:</b>	SNELL & WILMER L.L.P.
<b>Address Line 1:</b>	1 EAST WASHINGTON STREET
<b>Address Line 2:</b>	SUITE 2700
<b>Address Line 4:</b>	PHOENIX, ARIZONA 85004-2202
<b>ATTORNEY DOCKET NUMBER:</b>	81056.03617
<b>NAME OF SUBMITTER:</b>	DIANE GILDEN
<b>SIGNATURE:</b>	/Diane Gilden/
<b>DATE SIGNED:</b>	10/24/2022
<b>Total Attachments: 6</b>	
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Filing Date: December 21, 2020

Title: CYCLIC DEPOSITION METHODS FOR FORMING METAL-CONTAINING MATERIAL AND FILMS AND STRUCTURES INCLUDING THE METAL-CONTAINING MATERIAL

### ASSIGNMENT

WHEREAS, KATJA VÄYRYNEN, a citizen of Finland and a resident of Helsinki, Finland; TIMO HATANPÄÄ, a citizen of Finland and a resident of Espoo, Finland; ANTON VIHERRAARA, a citizen of Finland and a resident of Helsinki, Finland; MIKKO RITALA, a citizen of Finland and a resident of Espoo, Finland; MARKKU LESKELÄ, a citizen of Finland and a resident of Espoo, Finland,

(collectively, “WE” or “ASSIGNOR”) have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to CYCLIC DEPOSITION METHODS FOR FORMING METAL-CONTAINING MATERIAL AND FILMS AND STRUCTURES INCLUDING THE METAL-CONTAINING MATERIAL (collectively, the “INVENTIONS”) for which WE have executed and/or may execute one or more patent applications therefore; and

WHEREAS, ASM IP HOLDING B.V. (hereinafter “ASSIGNEE”), a corporation having a place of business at Versterkerstraat 8, Almere, 1322 AP, Netherlands, desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all patent applications therefore, and all patents that have granted or may be granted hereafter thereon, including, but not limited to, those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed and transferred, and by these presents do hereby sell, assign, convey and transfer, unto ASSIGNEE, its successors, its legal representatives and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefore that may have been filed or may be filed hereafter for said INVENTIONS (including but not limited Application No(s). 17/254,111, filed on December 12, 2020, as Docket No. PAT-MC-0614-US-PCT (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known)) and all rights of priority under International Conventions, Treaties, and Agreements, all utility applications, national phase applications, utility model applications, divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications and design applications thereof, and all issued patents which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon;

Application Serial No.: \_\_\_\_\_

Docket No.: PAT-MC-0614-US-PCT

Filing Date: \_\_\_\_\_

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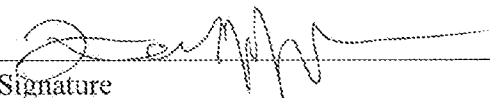
AND WE DO HEREBY authorize and request any Official of any country or countries whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to ASSIGNEE, its successors, its legal representatives, and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover and retain damages and any ongoing or prospective royalties to which WE may be entitled, or form any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives, and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries.

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

KATJA VÄYRYNEN

  
\_\_\_\_\_  
Signature

9.11.2020  
\_\_\_\_\_  
Date

TIMO HATANPÄÄ

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

ANTON VIHERRAARA

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Application Serial No.: \_\_\_\_\_

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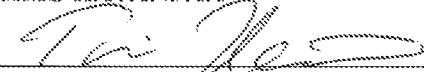
EXECUTED as of the date(s) below by ASSIGNOR:

KATJA VÄYRYNEN

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

TIMO HATANPÄÄ

  
\_\_\_\_\_  
Signature

9.11.2020  
\_\_\_\_\_  
Date

ANTON VIHERRAARA

\_\_\_\_\_  
Signature

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

KATJA VÄYRYNEN

.....  
Signature

.....  
Date

TIMO HATANPÄÄ

.....  
Signature

.....  
Date

ANTON VIHERRAARA

*Anton Viheraara*  
.....  
Signature

*9.11.2020*  
.....  
Date

Application Serial No.: \_\_\_\_\_

Docket No.: PAT-MC-0614-US-PCT

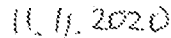
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MATERIAL

MIKKO RITALA



Signature



Date

MARKKU LESKELÄ

Signature

Date

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MIKKO RITALA

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

MARKKU LESKELÄ

  
\_\_\_\_\_  
Signature

13.11.2022  
\_\_\_\_\_  
Date