PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VILJAMI PORE	01/23/2019
WERNER KNAEPEN	02/04/2019
BERT JONGBLOED	02/04/2019
DIETER PIERREUX	02/04/2019
GIDO VAN DER STAR	01/24/2019
TOSHIYA SUZUKI	01/24/2019

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:	17370197

CORRESPONDENCE DATA

Fax Number: (602)382-6070

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.

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ATTORNEY DOCKET NUMBER:	81056.01095
NAME OF SUBMITTER:	CYNTHIA L. PILLOTE
SIGNATURE:	/Cynthia L. Pillote/
DATE SIGNED:	07/08/2021

Total Attachments: 5

PATENT REEL: 056790 FRAME: 0582

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> PATENT REEL: 056790 FRAME: 0583

Application Serial No.: 16/317,774 Docket No.: PAT-EUR-0314-US-PCT

Filing Date: January 14, 2019

Title: METHOD AND APPARATUS FOR FILLING A GAP

ASSIGNMENT

WHEREAS, VILJAMI PORE, a citizen of Finland and a resident of Helsinki, Finland; WERNER KNAEPEN, a citizen of Belgium and a resident of Leuven, Belgium; BERT JONGBLOED, a citizen of the Netherlands and a resident of Oud-Heverlee, Belgium; DIETER PIERREUX, a citizen of Belgium and a resident of Dilbeek, Belgium; GIDO VAN DER STAR, a citizen of the Netherlands and a resident of Leuven, Belgium,; TOSHIYA SUZUKI, a citizen of Japan 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 METHOD AND APPARATUS FOR FILLING A GAP (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 Versterkerstaat 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). 16/317,774, filed on January 14, 2019, as Docket No. PAT-EUR-0314-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, 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;

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:

VILJAMI PORE	
The Para	<u>January 23, 2019</u>
Signature	Date
WERNER KNAEPEN	
Signature	Date
BERT JONGBLOED	
Signature	Date
DIETER PIERREUX	
Signature	 Date

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:

VILJAMI PORE

Signature	Date
WERNER KNAEPEN	04/02/2019
Signature	Date
BERT JONOBLOED	04/02/2019
Signature	Date
DIETER PIERREUX	
Grand-	04/02/2019
Signature	Date

GIDO VAN DER STAR Signature	<u>≥4~⊙1-≥⊙1∳</u> Date
TOSHIYA SUZUKI	
Signature	Date
	Page 3 of 3

PATENT REEL: S058790 FRAME: 90587

GIDO VAN DER STAR	
Signature	Date
TOSHIYA SUZUKI	
Joseph Suzuki	24 / 2019
Signature	Date

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