PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7409614

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELINA FARM	05/25/2022
JAN WILLEM MAES	05/25/2022
CHARLES DEZELAH	06/08/2022
SHINYA IWASHITA	06/13/2022

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:	17849077

CORRESPONDENCE DATA

Fax Number: (602)470-2434

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.

Phone: 6024705707

Email: asia.gul@asm.com
Correspondent Name: PATRICK LEE

Address Line 1: 3440 E. UNIVERSITY DRIVE
Address Line 4: PHOENIX, ARIZONA 85034

ATTORNEY DOCKET NUMBER:	100965US02
NAME OF SUBMITTER:	ASIA GUL
SIGNATURE:	/Asia Gul/
DATE SIGNED:	06/30/2022

Total Attachments: 5

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PATENT 507362691 REEL: 060363 FRAME: 0964

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PATENT REEL: 060363 FRAME: 0965 Application Serial No.:

PATENT REEL: 060363 FRAME: 0966

Application Serial No.: Filing Date: Title: TRANSITION METAL NITRIDE DEPOSITION M	Docket No.: 100965US02 ETHOD
relating to any violation(s) of any of the rights assigned her prior to the date of assignment to said ASSIGNEE, or may limited to the right to sue for, seek, obtain, collect, recover or prospective royalties to which WE may be entitled, or for related to any of said patents before or after issuance;	accrue hereafter, including, but not and retain damages and any ongoing
AND WE HEREBY covenant and agree that WE will com ASSIGNEE, its successors, its legal representatives, and its respecting said INVENTIONS, and will testify in any legal execute all applications and certificates, make all rightful dall lawful assistance to said ASSIGNEE, its successors, its to obtain and enforce patent protection for said INVENTICE.	s assigns, any facts known to us I proceeding, sign all lawful papers, lectarations and/or oaths, and provide legal representatives, and its assigns,
EXECUTED as of the date(s) below by ASSIGNOR:	
Elina Färm Signature	25-5-2022 Date
Jan Willem Maes	
Signature	Date
Charles Dezelah	

Signature

Date

Application Serial No.: Filing Date: Title: TRANSITION METAL NITRIDE DE	Docket No.: 100965US02
prior to the date of assignment to said ASSIC limited to the right to sue for, seek, obtain, or	ts assigned bereby that have or may have accrued TNEE, or may accrue hereafter, including, but not offect, recover and retain damages and any ongoing entitled, or form any settlement or agreement issuance;
respecting said INVENTIONS, and will testi execute all applications and certificates, make	statives, and its assigns, any facts known to us ify in any legal proceeding, sign all lawful papers, te all rightful declarations and/or oaths, and provide successors, its legal representatives, and its assigns,
EXECUTED as of the date(s) below by ASS	IGNOR:
Elina Färm	
Signature	 Date
Jan/Willem Maes	
	<u>MAY 25 7622</u>
Signature	Date
Charles Dezelah	

Signature

Date

Application Serial No.:	Docket No.: 100965US02
Filing Date:	
Title: TRANSITION METAL NITRIDE DEPOS	SITION METHOD
relating to any violation(s) of any of the rights assignment to the date of assignment to said ASSIGNEd limited to the right to sue for, seek, obtain, collector prospective royalties to which WE may be entirelated to any of said patents before or after issua	E, or may accrue hereafter, including, but not t, recover and retain damages and any ongoing itled, or form any settlement or agreement
AND WE HEREBY covenant and agree that WE ASSIGNEE, its successors, its legal representative respecting said INVENTIONS, and will testify in execute all applications and certificates, make all all lawful assistance to said ASSIGNEE, its succesto obtain and enforce patent protection for said IN EXECUTED as of the date(s) below by ASSIGN	ves, and its assigns, any facts known to us any legal proceeding, sign all lawful papers, rightful declarations and/or oaths, and provide essors, its legal representatives, and its assigns, NVENTIONS in all countries.
•	OK.
Elina Färm	
Signature	Date
Jan Willem Maes	
Signature	Date
Charles Dezelah	
	June 8, 2022
Signature	Date

Application Serial No.: Docket No.: 100965US02

Filing Date:

RECORDED: 06/30/2022

Title: TRANSITION METAL NITRIDE DEPOSITION METHOD

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:

Elina Färm	
Signature	Date
Jan Willem Maes	
Signature	Date
Charles Dezelah	
Signature	Date
Shinya Iwashita Shinya Awas Ista	13 June 2022
Signature	Date