#### 505300719 01/29/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN SHUGRUE	12/18/2018
CHRIS G.M. DE RIDDER	12/18/2018
LUCIAN C. JDIRA	12/18/2018

## **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:	16304526

## CORRESPONDENCE DATA

Fax Number: (617)226-3801

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: 617-226-3800

Email: SRICHARDS@PRETI.COM

PRETI FLAHERTY BELIVEAU & PACHIOS LLP **Correspondent Name:** 

Address Line 1: 60 STATE STREET

Address Line 2: SUITE1100

Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	VER-300XX
NAME OF SUBMITTER:	SANDRA RICHARDS
SIGNATURE:	/SANDRA RICHARDS/
DATE SIGNED:	01/29/2019

#### **Total Attachments: 4**

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**PATENT** REEL: 048163 FRAME: 0111 505300719

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PATENT REEL: 048163 FRAME: 0112 VER-300XX

## **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the following.

John Shugrue, with a mailing address of c/o Versterkerstraat 8, Almere, NL 1322 AP; Lucian C. Jdira, with a mailing address of c/o Versterkerstraat 8, Almere, NL 1322 AP; Chris G.M. de Ridder, with a mailing address of c/o Versterkerstraat 8, Almere, NL 1322 AP; (a) sells and assigns to

> ASM IP HOLDING B.V. (hereafter "Assignee"), Versterkerstraat 8, Almere, NL 1322 AP,

its successors and assigns,

my entire right, title and interest, including the right to claim priority under the International Convention, throughout the United States, its territories and all foreign countries, in and to my invention(s) in

#### APPARATUS FOR SEMICONDUCTOR WAFER PROCESSING

and the United States or PCT Patent Application therefor filed on November 26, 2018, U.S. Application No. 16/304,526, VER-300XX and any previously filed provisional and non-provisional patent applications from which such Application depends for priority, and any refilings of the Application and such later filed patent applications that depend upon any such Applications for priority, and all divisions, continuations, and continuations-in-part of any such applications, such patents that issue on any of the foregoing applications and all reissue applications, applications for re-examinations and other applications for post grant review of any such patents, and such patents that issue from any such post-issue applications;

- (b) covenants that I have full right to make such assignment, and agrees for myself and my executors and administrators to, at the expense of the Assignee, execute all applications for domestic and foreign patents including divisional, continuation, continuation-in-part, reissue, reexamination applications and other post grant review proceedings thereof, make all rightful oaths, sign all lawful papers, testify in any proceeding in which the invention(s) or any application or patent directed thereto may be involved, and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper patent protection for the invention(s) in the United States, its territories and all foreign countries;
- (c) agrees that, if I am unable or unwilling to sign any document with respect to the invention(s), then I hereby designate and appoint the Assignee and its duly authorized officers and agents as my agent and attorney-in-fact, to act for and on my behalf to execute and file any papers and oaths, and to do all other lawfully permitted acts with respect to the invention(s) and patent applications and patents for the invention(s) with the same legal force and effect as if executed by me; and
- (d) authorizes the firm of Preti Flaherty Beliveau & Pachios, LLP to insert, if necessary, the filing date and application number of the above patent application.

<u>. 1</u> .

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VER-300XX

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal.

Date: x 12-18-2018

x. Witness (Signature) Date: 4

Witness (Please Print Name)

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IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal.

Lucian I Illian

x Witness (Signature)

Witness (Please Print Name)

Date: X (2.20(2).

Date: x 18 x 0 FC x 2018

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IN WITNESS/WHERE IN I have hereunto set my hand and affixed my seal.

Chris G.M. de Kissder

Date: x 10. PEC - 2019

Wilness (Signature)

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**PATENT REEL: 048163 FRAME: 0116**