506276002 09/28/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JERELD LEE WINKLER	06/05/2020
ERIC JAMES SHERO	05/18/2020
CARL LOUIS WHITE	06/20/2020
SHANKAR SWAMINATHAN	05/23/2020
BHUSHAN ZOPE	06/01/2020

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:	17014820

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: michelle.sympson@asm.com

Correspondent Name: PATRICK LEE

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

ATTORNEY DOCKET NUMBER:	PAT-AM-0915-US-NP
NAME OF SUBMITTER:	MICHELLE SYMPSON
SIGNATURE:	/Michelle Sympson/
DATE SIGNED:	09/28/2020

Total Attachments: 6

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PATENT REEL: 053908 FRAME: 0943

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PATENT REEL: 053908 FRAME: 0944 Application Serial No.: 17/014,820 Docket No.: PAT-AM-0915-US-NP

Filing Date: September 8, 2020

Title: SEMICONDUCTOR PROCESSING DEVICE

<u>ASSIGNMENT</u>

WHEREAS, JERELD LEE WINKLER, a citizen of the United States of America and a resident of Gilbert, Arizona; ERIC JAMES SHERO, a citizen of the United States of America and a resident of Phoenix, Arizona; CARL LOUIS WHITE, a citizen of the United States of America and a resident of Gilbert, Arizona; SHANKAR SWAMINATHAN, a citizen of the United States of America and a resident of Phoenix, Arizona; and BHUSHAN ZOPE, a citizen of India and a resident of Phoenix, Arizona,

(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 SEMICONDUCTOR PROCESSING DEVICE (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). 17/014,820, filed on September 8, 2020, as Docket No. PAT-AM-0915-US-NP (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

Application Serial No.:	Docket No.: PAT-AM-0915-US-NP
Filing Date:	Control In -Mile Off 2-104
Title: SEMICONDUCTOR PROCESSING DEVICE	
ASSIGNEE, its successors, its legal representatives, and it	ts assigns, in accordance with the terms
of this instrument;	and the state of t
AND WE DO HERERY sell assign transfer and	E. T. F. Efferton Strain
AND WE DO HEREBY sell, assign, transfer, and convey legal representatives, and its assigns all claims for dama	to said ASSIGNEE, its successors, its
relating to any violation(s) of any of the rights assigned	ges and an rememes arising out of or
prior to the date of assignment to said ASSIGNEE, or m	av accrue hereafter including but not
limited to the right to sue for, seek, obtain, collect, recove	er and retain damages and any oppoing
or prospective royalties to which WE may be entitled, or fo	orm any settlement or agreement related
to any of said patents before or after issuance;	
AND WE HEREBY covenant and agree that WE will com	municate aroundly to sold ADDICETIO
its successors, its legal representatives, and its assigns, a	mumicate promptly to said ASSIGNEE,
INVENTIONS, and will testify in any legal proceeding	sion all lawful papers events all
applications and certificates, make all rightful declaration	is and/or oaths, and provide all lawful
assistance to said ASSIGNEE, its successors, its legal rep	resentatives, and its assigns, to obtain
and enforce patent protection for said INVENTIONS in all	countries.
EXECUTED as of the date(s) below by ASSIGNOR:	
JERELD LEE WINKLER	
Was demanded to the same of th	C. P. C. San San San
Signature	<u>C/5/2020</u> Date
	Date
ERIC JAMES SHERO	
Signature	Date
CARL LOUIS WHITE	
Signature	Ports
•	Date
SHANKAR SWAMINATHAN	

Date

Signature

Application Serial No.: Filing Date: Title: SEMICONDUCTOR PROCESSING DEVIC	Docket No.: PAT-AM-0915-US-NP
ASSIGNEE, its successors, its legal representatives of this instrument:	, and its assigns, in accordance with the terms
AND WE DO HEREBY sell, assign, transfer, and legal representatives, and its assigns all claims for relating to any violation(s) of any of the rights assigner to the date of assignment to said ASSIGNEE limited to the right to sue for, seek, obtain, collect, or prospective royalties to which WE may be entitle to any of said patents before or after issuance;	r damages and all remedles arising out of or signed hereby that have or may have accrued E, or may accrue hereafter, including, but not recover and retain damages and any ongoing
AND WE HEREBY covenant and agree that WE wits successors, its legal representatives, and its assinventions, and will testify in any legal proapplications and certificates, make all rightful declassistance to said ASSIGNEE, its successors, its leand enforce patent protection for said INVENTION EXECUTED as of the date(s) below by ASSIGNORE.	signs, any facts known to us respecting said coeding, sign all lawful papers, execute all larations and/or oaths, and provide all lawful representatives, and its assigns, to obtain is in all countries.
JERELD LEE WINKLER	***
Signature	Date
ERICHAMES SHERO	5/18/2020
Signature/	Date
CARL LOUIS WHITE	
Signature	Date
SHANKAR SWAMINATHAN	

Signature

Date

Application Serial No.: Filing Date:	Docket No.: PA1-AM-0915-US-NP
Title: SEMICONDUCTOR PROCESSING DEVIC	E
ASSIGNEE, its successors, its legal representatives of this instrument;	, and its assigns, in accordance with the terms
AND WE DO HEREBY sell, assign, transfer, and egal representatives, and its assigns all claims for relating to any violation(s) of any of the rights assorior to the date of assignment to said ASSIGNED imited to the right to sue for, seek, obtain, collect, or prospective royalties to which WE may be entitle to any of said patents before or after issuance;	r damages and all remedies arising out of or signed hereby that have or may have accrued E, or may accrue hereafter, including, but not recover and retain damages and any ongoing
AND WE HEREBY covenant and agree that WE we the successors, its legal representatives, and its as inventions, and will testify in any legal proapplications and certificates, make all rightful decreasistance to said ASSIGNEE, its successors, its land enforce patent protection for said INVENTION	signs, any facts known to us respecting said acceding, sign all lawful papers, execute all larations and/or oaths, and provide all lawful egal representatives, and its assigns, to obtain
EXECUTED as of the date(s) below by ASSIGNO	R:
ERELD LEE WINKLER	
Signature	Date
ERIC JAMES SHERO	
Signature	Date
CARL LOUIS WHITE	
Harl Louis Whit	06/20/2020
Signature	
	Date
SHANKAR SWAMINATHAN	
SHANKAR SWAMINATHAN Signature	

Page 2 of 3

Application Serial No.: Filing Date: Title: SEMICONDUCTOR PROCESSING DEVICE	Docket No.: PAT-AM-0915-US-NP	
ASSIGNEE, its successors, its legal representatives, and its of this instrument;	assigns, in accordance with the terms	
AND WE DO HEREBY sell, assign, transfer, and convey legal representatives, and its assigns all claims for damagrelating to any violation(s) of any of the rights assigned by prior to the date of assignment to said ASSIGNEE, or malimited to the right to sue for, seek, obtain, collect, recover or prospective royalties to which WE may be entitled, or for to any of said patents before or after issuance;	res and all remedies arising out of or sereby that have or may have accrued by accrue hereafter, including, but not r and retain damages and any ongoing	
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:		
JERELD LEE WINKLER		
Signature	Date	
ERIC JAMES SHERO		
Signature	Date	
CARL LOUIS WHITE		
Signature	Date	
SHANKAR SWAMINATHAN	05-23-2020	
Signature	Date	

Application Serial No.: Filing Date: Title: SEMICONDUCTOR PROCESSING DEVICE	Docket No.: PAT-AM-0915-US-NP
BHUSHAN ZOPE 1899	6/1/20
Signature	Date