PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GIORGIO AGOSTINI	06/18/2020
STEPHAN HARINGER	06/17/2020
MARCO ZARDONI	06/17/2020

RECEIVING PARTY DATA

Name:	GLOBALWAFERS CO., LTD.
Street Address:	NO. 8 INDUSTRIAL EAST ROAD 2
Internal Address:	SCIENCE-BASED INDUSTRIAL PARK
City:	HSINCHU
State/Country:	TAIWAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17858915

CORRESPONDENCE DATA

Fax Number: (314)621-2307

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: 3146215070

Email: uspatents@atllp.com

ARMSTRONG TEASDALE LLP **Correspondent Name:**

Address Line 1: 7700 FORSYTH BLVD

Address Line 2: **SUITE 1800**

Address Line 4: CLAYTON, MISSOURI 63105

ATTORNEY DOCKET NUMBER:	28744-5634 (171021.9)
NAME OF SUBMITTER:	MICHAEL J. VANDER MOLEN
SIGNATURE:	/Michael J. Vander Molen/
DATE SIGNED:	07/06/2022

Total Attachments: 5

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<u>ASSIGNMENT</u>

WHEREAS, We Giorgio Agostini of San Giacomo di Laives, Italy, Stephan Haringer of Ciardes, Italy, and Marco Zardoni of Merano, Italy, have invented an improvement in PRODUCTION AND USE OF DYNAMIC STATE CHARTS WHEN GROWING A SINGLE CRYSTAL SILICON INGOT and have executed an application for a United States patent based thereon filed May 27, 2020, assigned Serial No. 16/884,589;

AND, WHEREAS, GlobalWafers Co., Ltd., a company organized and existing under the laws of Taiwan and having its registered address at No. 8. Industrial East Road 2, Science-Based Industrial Park, Hsinchu, Taiwan R.O.C. (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made:

AND We hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said

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invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I have hereunto set my hand.

Signature:Giorgio Agostini	Date:
STATE OF)	
COUNTY OF	
On this day of appeared Giorgio Agostini, to me known to be the assignment and acknowledged that he executed	, 20before me, a Notary Public, personally person described in and who executed the foregoing same as his free act and deed.
IN TESTIMONY WHEREOF, I have he above written.	reunto set my hand and seal the date and year last
	(Notary Public)
SECTION BELOW IS FOR USE ONLY IF N	OT SIGNING IN FRONT OF A NOTARY
Signature: Giorgio Agostini	Date: 514-18-2020
Witnessed by: Signature	Printed Name of Witness
Witnessed by:	<u> パのおわれる SCAL</u> A Printed Name of Witness

IN WITNESS WHEREOF, I have hereunto set my hand.

Signature:	Date:
Signature: Stephan Haringer	
STATE OF)	
COUNTY OF	
foregoing assignment and acknowledged that h	
IN TESTIMONY WHEREOF, I have habove written.	nereunto set my hand and seal the date and year last
-	(Notary Public)
***************************************	NOT SIGNING IN FRONT OF A NOTARY
Signature: Stephap Haringer	
Witnessed by: Signature	Printed Name of Witness
Witnessed by: Notes Signature	<u> パンパミピアン Sこ外とみ</u> Printed Name of Witness

IN WITNESS WHEREOF,	I have hereunto set my hand.
Signature: Marco Zardoni	Date:
Marco Zardoni	
STATE OF	
COUNTY OF	<u> </u>
assignment and acknowledged th	, 20 before me, a Notary Public, personally nown to be the person described in and who executed the foregoing at he executed same as his free act and deed. EEOF, I have hereunto set my hand and seal the date and year last
	(Notary Public)
SECTION BELOW IS FOR	USE ONLY IF NOT SIGNING IN FRONT OF A NOTARY
Signature: Maco Zard	<u>5√.</u> Date: <u>JUn / 17 / 2020</u>
Marco Zardoni	3
Witnessed by:	la ROBERTO SCAZA
Signature	I mited Henrie Of Mitteds
Witnessed by: (رنيكنية)	PAULIS GIAMMI DELC'ANIGO
Signature	Printed Name of Witness

For and on behalf of GlobalWafers Company, Ltd.

Paul Markowitz

Director of Intellectual Property

Date

STATE OF

COUNTY OF <u>Jt. Cl</u>

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

(Notary Public)

ERIKA DAMIANI
Notary Public - Notary Seal
St Charles County - State of Missouri
Commission Number 14917341
My Commission Expires Jul 20, 2022

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