505083546 09/07/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARIANA BERTONI	03/07/2017
PABLO GUIMERA COLL	03/07/2017

RECEIVING PARTY DATA

Name:	ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY
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City:	SCOTTSDALE
State/Country:	ARIZONA
Postal Code:	85257

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16083276

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	208192-9012-US01
NAME OF SUBMITTER:	JULIE A. HAUT
SIGNATURE:	/julie a. haut/
DATE SIGNED:	09/07/2018

Total Attachments: 3

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PATENT 505083546 REEL: 046815 FRAME: 0867

<u>ASSIGNMENT</u>

Pursuant to our obligation to Arizona Board of Regents on behalf of Arizona State University (hereinafter referred to as "Assignee"), a non-profit university having its principal place of business at:

Skysong-Suite 200 1475 N. Scottsdale Road Scottsdale, AZ 85257

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Mariana Bertoni 2462 S. Gaucho Mesa, AZ 85202

Pablo Guimera Coll 9507 W. 127th Terrace Overland Park, KS 66213

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

- (1) in and to inventions described in a patent application titled "SOUND-ASSISTED CRACK PROPAGATION FOR SEMICONDUCTOR WAFERING" for which we filed International Patent Application No. PCT/US2017/ 021418 ____ on March _8 _, 2017 (Attorney File No. 208192-9012-WO00), which claims priority to United States Provisional Patent Application No. 62/305,399, filed on March 8, 2016 (Atty. File No. 208192-9012-US00);
- (2) in and to the U.S. and International patent applications (including both the PCT patent application and the US provisional patent application referenced above), in and to all other patent applications (including divisional, continuation, continuation-in-part, and reissue applications) based upon said inventions, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;
- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) under the International Convention in respect to the U.S. provisional patent application and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on the U.S. provisional patent application

PATENT REEL: 046815 FRAME: 0868 We hereby authorize the assignee or attorney of record to insert in the appropriate place in this document the application number of the International application after execution of this Assignment. And we hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

 $\sim \sim 1$

March 7, 2017		
Date	Mariana Bertoni	
Date	Pablo Guimera Coll	

We hereby authorize the assignee or attorney of record to insert in the appropriate place in this document the application number of the International application after execution of this Assignment. And we hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

Date	 Mariana Bertoni
Bute	Waldia Dollon
03-07-2017	
Date	Pablo Guimera Còli