505178996 11/07/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
LAURA MAUER	05/21/2018
JOHN TADDEI	05/21/2018
KENJI NULMAN	05/21/2018

RECEIVING PARTY DATA

Name:	VEECO PRECISION SURFACE PROCESSING LLC
Street Address:	185 GIBRALTAR ROAD
City:	HORSHAM
State/Country:	PENNSYLVANIA
Postal Code:	19044

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15903799	

CORRESPONDENCE DATA

Fax Number: (914)288-0023

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: 9142880022

Email: uspto@leasonellis.com LEASON ELLIS LLP **Correspondent Name:** Address Line 1: ONE BARKER AVENUE

Address Line 2: FIFTH FLOOR

Address Line 4: WHITE PLAINS, NEW YORK 10601

ATTORNEY DOCKET NUMBER:	05055/005668-US1
NAME OF SUBMITTER:	EDWARD J. ELLIS
SIGNATURE:	/edward j. ellis/
DATE SIGNED:	11/07/2018

Total Attachments: 4

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ASSIGNMENT

- I, Laura Mauer, having a residence of South Kent, CT;
- I, John Taddei, having a residence of Jim Thorpe, PA;
- I, John Clark, having a residence of Philadelphia, PA; and
- I, Kenji Nulman, having a residence of Warminster, PA;

(hereinafter "ASSIGNORS") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNORS by

VEECO PRECISION SURFACE PROCESSING LLC

a Corporation having a place of business at 185 Gibraltar Road, Horsham, PA 19044 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

AN APPARATUS AND METHOD FOR WAFER THINNING IN ADVANCED PACKAGING APPLICATIONS

invented by me and described in Patent Application No. 15/903,799, filed February 23, 2018, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an

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amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable. I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: 5/21/18

Laura Mauer, Inventor

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Dated:	<u>s/u/18</u>	John Taddei, Inventor
Dated:		John Clark, Inventor
Dated:	5/4/18	Xuj Mlu Kenji Noman, Inventor

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ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of **VEECO PRECISION SURFACE PROCESSING LLC.** I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

	r			. 6.1	above-identified	
L	ŧ	am	an officer	or the	above-identified	ASSIGNEE,

I have signed this document on behalf of ASSIGNEE with the full authority of the ASSIGNEE.

and that all the foregoing is true and correct.

Dated: July 12, 2018

By: Name:

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A - Robbi

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PATENT REEL: 047434 FRAME: 0561

RECORDED: 11/07/2018