

<b>TRADEMARK ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
Stylesheet Version v1.212/02/2015  
900346089

ETAS ID: TM364369

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Wafer Reclaim Services, LLC		11/23/2015	LIMITED LIABILITY COMPANY: DELAWARE
Wafer Holding Company, LLC		11/23/2015	LIMITED LIABILITY COMPANY: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Opus Bank		
<b>Street Address:</b>	19900 MacArthur Boulevard		
<b>Internal Address:</b>	12th Floor		
<b>City:</b>	Irvine		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	92612		
<b>Entity Type:</b>	Commercial Bank: CALIFORNIA		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4659997	WRS MATERIALS	
<b>Registration Number:</b>	4659996	WRS MATERIALS	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>			
<i>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.</i>			
<b>Email:</b>	rfloren@schiffhardin.com		
<b>Correspondent Name:</b>	Rebecca Floren		
<b>Address Line 1:</b>	233 S. Wacker Drive		
<b>Address Line 2:</b>	Suite 6600		
<b>Address Line 4:</b>	Chicago, ILLINOIS 60606		
<b>ATTORNEY DOCKET NUMBER:</b>	41907-0029		
<b>NAME OF SUBMITTER:</b>	Rebecca Floren		
<b>SIGNATURE:</b>	/s/ Rebecca Floren		
<b>DATE SIGNED:</b>	12/02/2015		
<b>Total Attachments: 8</b>			

OP \$65.00 4659997

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*IP Security Agreement*”) dated as of November 23, 2015, is made by **WAFER RECLAIM SERVICES, LLC**, a Delaware limited liability company (“*WRS*”) and **WAFER HOLDING COMPANY, LLC**, a Delaware limited liability company (“*Parent*” and together with WRS, each a “Grantor” and collectively as the “Grantors”) in favor of **OPUS BANK**, a California commercial bank (“*Lender*”) as Lender under that certain Credit Agreement dated as of the date hereof between WRS and Lender (as amended and restated, supplemented or otherwise modified from time to time, the “*Credit Agreement*”). Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, as a condition precedent to the making of Loans by Lender under the Credit Agreement, each Grantor has executed and delivered that certain General Security Agreement dated as of the date hereof between the Grantors and the Lender (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*Security Agreement*”).

WHEREAS, under the terms of the Security Agreement, each Grantor has granted a security interest in, among other property, certain intellectual property of such Grantor to the Lender, and has agreed as a condition thereof to execute this IP Security Agreement covering such intellectual property for recording with the U.S. Patent and Trademark Office, the United States Copyright Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

**SECTION 1. Grant of Security.** Each Grantor hereby grants to the Lender a security interest in and to all of such Grantor’s right, title and interest in and to the following (the “*Collateral*”):

(i) the United States, international and foreign patents, patent applications and patent licenses set forth in **Schedule A** hereto (as such Schedule A may be supplemented from time to time by supplements to the Security Agreement and this IP Security Agreement (each such supplement, an “*IP Security Agreement Supplement*”), executed and delivered by any Grantor to the Lender from time to time), together with all reissues, divisions, continuations, continuations-in-part, extensions and reexaminations thereof, and all rights therein provided by international treaties or conventions (the “*Patents*”);

(ii) the United States and foreign trademark and service mark registrations, applications, and licenses set forth in **Schedule B** hereto (as such Schedule B may be supplemented from time to time by IP Security Agreement Supplements executed and delivered by any Grantor to the Lender from time to time) (the “*Trademarks*”);

(iii) the copyrights, United States and foreign copyright registrations and applications and copyright licenses set forth in **Schedule C** hereto (as such Schedule C may be supplemented from time to time by IP Security Agreement Supplements executed and delivered by any Grantor to the Lender from time to time) (the “*Copyrights*”);

(iv) any and all claims for damages for past, present and future infringement, misappropriation or breach with respect to the Patents, Trademarks and Copyrights, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(v) any and all proceeds of the foregoing.

Notwithstanding the foregoing, however, the Collateral shall not include any intent-to-use trademarks, prior to the filing of a "Statement of Use" with respect thereto if and solely to the extent that (and so long as) any such intent-to-use trademark application would be rendered void by the attachment or creation of a security interest in the right, title or interest of such Grantor therein).

**SECTION 2. Security for Obligations.** The grant of a security interest in the Collateral by each Grantor under this IP Security Agreement secures the payment of the Obligations (as defined in the Security Agreement) of such Grantor now or hereafter existing, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest (including any interest that accrues after the commencement of bankruptcy), premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise.

**SECTION 3. Recordation.** Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner of Patents and Trademarks and any other applicable government office record this IP Security Agreement.

**SECTION 4. Execution in Counterparts.** This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

**SECTION 5. Grants, Rights and Remedies.** This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Lender with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the Security Agreement and this IP Security Agreement, the provisions of the Security Agreement shall control.

**SECTION 6. Governing Law.** This IP Security Agreement shall be governed by, and construed in accordance with, the law of the State of New York.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**Address for Notices:**


Address:  
2240 Ringwood Ave  
San Jose, California 95131  
Attention: Dave Griffeth  
Telephone: (408) 945-8112  
E-mail: dave.griffeth@wrsmaterials.com

Address:  
2240 Ringwood Ave  
San Jose, California 95131  
Attention: Dave Griffeth  
Telephone: (408) 945-8112  
E-mail: dave.griffeth@wrsmaterials.com

**WAFER RECLAIM SERVICES, LLC**, a  
Delaware limited liability company, as a  
Grantor

By: \_\_\_\_\_  
Name: Dave Griffeth  
Its: Chief Financial Officer

**WAFER HOLDING COMPANY, LLC**, a  
Delaware limited liability company, as a  
Grantor

By:  \_\_\_\_\_  
Name: Richard Mee  
Its: Authorized Person

(Signature Page to IP Security Agreement)

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

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Address:  
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Attention: Dave Griffeth  
Telephone: (408) 945-8112  
E-mail: dave.griffeth@wrsmaterials.com

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E-mail: dave.griffeth@wrsmaterials.com

**WAFER RECLAIM SERVICES, LLC**, a  
Delaware limited liability company, as a  
Grantor

By:   
Name: Dave Griffeth  
Its: Chief Financial Officer

**WAFER HOLDING COMPANY, LLC**, a  
Delaware limited liability company, as a  
Grantor

By: \_\_\_\_\_  
Name: Richard Mee  
Its: Authorized Person

(Signature Page to IP Security Agreement)

IN WITNESS WHEREOF, the Lender has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**OPUS BANK**, as Lender

By:   
Name: Kevin McBride  
Its: Senior Managing Director

**Address for Notices:**

19900 MacArthur Boulevard  
12<sup>th</sup> Floor  
Irvine, California 92612  
Attn: Credit Administration

(Signature Page to IP Security Agreement)

**TRADEMARK**  
**REEL: 005684 FRAME: 0286**

**Schedule A to the  
IP Security Agreement**

**PATENTS:**

None.



**Schedule B to the  
IP Security Agreement**

**TRADEMARKS**

<b>Owner</b>	<b>Mark</b>	<b>Registration No.</b>	<b>Registration Date</b>
WRS	WRS Materials	4659997	12/23/2014
WRS	WRS Materials	4659996	12/23/2014

**Schedule C to the  
IP Security Agreement**

**COPYRIGHTS**

None.

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