### PATENT ASSIGNMENT COVER SHEET

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>HAI YANG ZHANG</td>
<td>11/15/2017</td>
</tr>
<tr>
<td>YAN WANG</td>
<td>11/15/2017</td>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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</thead>
<tbody>
<tr>
<td>SEMICONDUCTOR MANUFACTURING INTERNATIONAL (BEIJING) CORPORATION</td>
<td>18 WENCHANG ROAD</td>
</tr>
<tr>
<td>SEMICONDUCTOR MANUFACTURING INTERNATIONAL (SHANGHAI) CORPORATION</td>
<td>18 ZHANGJIANG ROAD, PUDONG NEW AREA</td>
</tr>
<tr>
<td>State/Country: CHINA</td>
<td>Postal Code: 100176</td>
</tr>
<tr>
<td>State/Country: CHINA</td>
<td>Postal Code: 201203</td>
</tr>
</tbody>
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### PROPERTY NUMBERS Total: 1

<table>
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<tr>
<th>Property Type</th>
<th>Number</th>
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<tr>
<td>Application Number</td>
<td>15816673</td>
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### CORRESPONDENCE DATA

- **Fax Number:** (408)638-0326  
- **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:** 408 331 1670  
- **Email:** jfosnaugh@innovationcounsel.com  
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- **Address Line 2:** SUITE 200  
- **Address Line 4:** SAN JOSE, CALIFORNIA 95134

### ATTORNEY DOCKET NUMBER: 
SMIC00111 US
<table>
<thead>
<tr>
<th><strong>NAME OF SUBMITTER:</strong></th>
<th>JING ZHENG, REG. NO. 75,830</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SIGNATURE:</strong></td>
<td>/Jing Zheng/</td>
</tr>
<tr>
<td><strong>DATE SIGNED:</strong></td>
<td>11/17/2017</td>
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Total Attachments: 2

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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Hai Yang ZHANG of 18 Zhangjiang Road
          Pudong New Area
          Shanghai, P.R.C. 201203

Yan WANG of 18 Zhangjiang Road
          Pudong New Area
          Shanghai, P.R.C. 201203

hereby sell, assign and transfer to Semiconductor Manufacturing International (Beijing) Corporation, having a place of business at 18 Wenchang Road, Beijing Economic-Technological Development Area, Beijing, China, 100176, and Semiconductor Manufacturing International (Shanghai) Corporation, having a place of business at 18 Zhangjiang Road, Pudong New Area, Shanghai, P.R.C. 201203, its successors and assigns, the entire right, title and interest throughout the world in the invention entitled

A PHOTOMASK MANUFACTURING METHOD

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisionals, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 15 day of November, 2017.

Hai Yang ZHANG

WITNESSED: Zhiqian Chen

Signature: Zhiqian Chen

Date: 2017-11-15

Type or print name of witness
Executed this 15 day of November, 2017.

Yan WANG

WITNESSED:

Signature

Date 2017-11-15

Type or print name of witness