

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4667608

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT   |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>  |
| ZHUOFAN CHEN  | 10/30/2017   |
| YIBIN SONG  | 10/30/2017   |
| HAIYANG ZHANG   | 10/30/2017   |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | SEMICONDUCTOR MANUFACTURING INTERNATIONAL (SHANGHAI) CORPORATION |
| <b>Street Address:</b>  | 18 ZHANGJIANG ROAD, PUDONG NEW AREA                              |
| <b>City:</b>  | SHANGHAI   |
| <b>State/Country:</b>   | CHINA  |
| <b>Postal Code:</b>   | 201203   |
| <b>Name:</b>  | SEMICONDUCTOR MANUFACTURING INTERNATIONAL (BEIJING) CORPORATION  |
| <b>Street Address:</b>  | 18 WENCHANG ROAD   |
| <b>Internal Address:</b>  | BEIJING ECONOMIC-TECHNOLOGICAL DEVELOPMENT AREA                  |
| <b>City:</b>  | BEIJING  |
| <b>State/Country:</b>   | CHINA  |
| <b>Postal Code:</b>   | 100176   |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 15799915   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (408)638-0326  |
| <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>Phone:</b>   | 408 331 1670   |
| <b>Email:</b>   | jfosnaugh@innovationcounsel.com                                  |
| <b>Correspondent Name:</b>  | INNOVATION COUNSEL LLP   |
| <b>Address Line 1:</b>  | 2890 ZANKER ROAD   |
| <b>Address Line 2:</b>  | SUITE 200  |
| <b>Address Line 4:</b>  | SAN JOSE, CALIFORNIA 95134                                       |

|   |                             |
|---|-----------------------------|
| <b>ATTORNEY DOCKET NUMBER:</b>  | SMIC00108 US                |
| <b>NAME OF SUBMITTER:</b>   | JING ZHENG, REG. NO. 75,830 |
| <b>SIGNATURE:</b>   | /Jing Zheng/                |
| <b>DATE SIGNED:</b>   | 10/31/2017                  |
| <b>Total Attachments: 2</b><br>source=SMIC00108US_ASSN_EF#page1.tif<br>source=SMIC00108US_ASSN_EF#page2.tif |                             |

**ASSIGNMENT**

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

Zhuofan CHEN of 18 Zhangjiang Road  
Pudong New Area  
Shanghai, P.R.C. 201203  
Yibin SONG of 18 Zhangjiang Road  
Pudong New Area  
Shanghai, P.R.C. 201203  
Haiyang ZHANG of 18 Zhangjiang Road  
Pudong New Area  
Shanghai, P.R.C. 201203

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

**A MAGNETIC RANDOM ACCESS MEMORY AND MANUFACTURE THEREOF**

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 30th day of Oct., 2017.

Zhuofan Chen.

Zhuofan CHEN

WITNESSED:

Signature

Date

Type or print name of witness

荣耀

Rongyao Cheng

2017-10-30

Executed this 30th day of Oct., 2017.

Yibin Song

Yibin SONG

WITNESSED:

郑一虎

Signature

Zhen Zheng

Date

2017.10.30

Type or print name of witness

Executed this 30th day of Oct., 2017.

Haiyang Zhang

Haiyang ZHANG

WITNESSED:

张翼荣

Signature

Yiyong Zhang

Date

2017.10.30

Type or print name of witness