

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Qingqing Liang</td> <td>10/18/2011</td> </tr> <tr> <td>Xiaodong Tong</td> <td>10/18/2011</td> </tr> <tr> <td>Huicai Zhong</td> <td>10/18/2011</td> </tr> <tr> <td>Huilong Zhu</td> <td>10/18/2011</td> </tr> </tbody> </table>		Name	Execution Date	Qingqing Liang	10/18/2011	Xiaodong Tong	10/18/2011	Huicai Zhong	10/18/2011	Huilong Zhu	10/18/2011
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Qingqing Liang	10/18/2011										
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RECEIVING PARTY DATA											
Name:	INSTITUTE OF MICROELECTRONICS, CHINESE ACADEMY OF SCIENCES										
Street Address:	No. 3, Beitucheng West Road										
Internal Address:	Chaoyang District										
City:	Beijing										
State/Country:	CHINA										
Postal Code:	100029										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Application Number:	13320331										
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Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif											

OP \$40.00 13320331

ASSIGNMENT

Attorney Docket No.

WHEREAS, We, Qingqing LIANG of 28 Reggies Way, Lagrangeville, New York 12540, United States of America; Xiaodong TONG of No. 3 Beitucheng West Road, Chaoyang District, Beijing 100029, China; Huicai ZHONG of 1089 Wilmington Avenue, San Jose, California 95129, United States of America; Huilong ZHU of 93 Autumn Dr. Poughkeepsie, New York 12603, United States of America, (hereinafter referred to as ASSIGNORS), are the inventors of an invention described in an application for Letters Patent of the United States entitled SEMICONDUCTOR DEVICE AND SEMICONDUCTOR MEMORY DEVICE, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. _____, filed _____, and

WHEREAS, INSTITUTE OF MICROELECTRONICS, CHINESE ACADEMY OF SCIENCES, a corporation organized and existing under the laws of the Country of P.R. CHINA, and having offices at No. 3 Beitucheng West Road, Chaoyang District, Beijing 100029, China, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, all Letters Patent or similar legal protection issuing thereon in the United States, and I authorize the Director of the United States Patent and Trademark Office to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in the United States.

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Date: 10/19/2001

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