

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>Huilong Zhu</td> <td>12/09/2011</td> </tr> <tr> <td>Qingqing Liang</td> <td>12/09/2011</td> </tr> <tr> <td>Zhijiong Lou</td> <td>12/09/2011</td> </tr> <tr> <td>Haizhou Yin</td> <td>12/09/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Huilong Zhu | 12/09/2011 | Qingqing Liang | 12/09/2011 | Zhijiong Lou | 12/09/2011 | Haizhou Yin | 12/09/2011 |
| Name | Execution Date | | | | | | | | | | |
| Huilong Zhu | 12/09/2011 | | | | | | | | | | |
| Qingqing Liang | 12/09/2011 | | | | | | | | | | |
| Zhijiong Lou | 12/09/2011 | | | | | | | | | | |
| Haizhou Yin | 12/09/2011 | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13376247</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13376247 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13376247 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (612)334-3312 | | | | | | | | | | |
| Email: | lswaja@wck.com | | | | | | | | | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | | | | | | | | | | |
| Correspondent Name: | Judson K. Champlin | | | | | | | | | | |
| Address Line 1: | 900 Second Avenue South | | | | | | | | | | |
| Address Line 2: | Suite 1400 | | | | | | | | | | |
| Address Line 4: | Minneapolis, MINNESOTA 55402 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 1135.12-0022 | | | | | | | | | | |
| NAME OF SUBMITTER: | April B. Smith | | | | | | | | | | |
| Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif | | | | | | | | | | | |

OP \$40.00 13376247

ASSIGNMENT

FOR PRIORITY APPLICATION ENTERING UNITED STATES

Attorney Docket No.
1135.12-0522

WHEREAS, we, Hailing Shi, of Poughkeepsie, New York, USA; Qingqing Liang, of Lagrangeville, New York, USA; Zhijiang Luo, of Poughkeepsie, New York, USA; and Haizhou Jin, of Poughkeepsie, New York, USA (hereinafter referred to as ASSIGNORS), are the inventors of an invention described in:

- French Patent Application No. _____, filed on _____
- European Patent Application No. _____, filed on _____
- X International application for **PATENT** filed pursuant to the Patent Cooperation Treaty and designating the United States, and being identified by Application No. **PCT/CN2011/077908**, filed on **AUGUST 22, 2011**;
- ANY United States Patent Application claiming priority from the above-identified French, European and/or International patent application, the United States patent application being identifiable in the United States Patent and Trademark Office by Application No. **13/376,842**, filed December 5, 2011;

WHEREAS Institute of Microelectronics, Chinese Academy of Sciences, a corporation, organized and existing under the laws of the State of Country of P.R. China, and having offices at No. 3 Haitucheng West Road, Chaoyang District, Beijing, 100029 P.R. 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, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified application, all inventions and improvements which are disclosed in the patent applications, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent(s) which have been or shall be filed in the United States or any of said inventions and/or improvements, all rights of priority resulting from the filing of the above-identified patent application(s), and all Letters Patent or similar legal protection issuing thereon; and we authorize the Director of the United States Patent and Trademark Office to issue the Letters Patent or similar legal protection to the Assignee.

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

We 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 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 any and all countries.

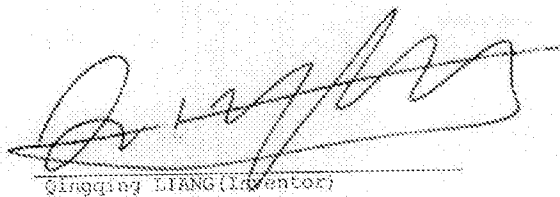

Hailing Shi, Inventor

Date: 12/9/10

Fan YANG
(Witness Printed Name)


(Witness Signature)

(Witness Address) No. 3 Haitucheng West Road, Chaoyang District, Beijing 100029, P.R.China



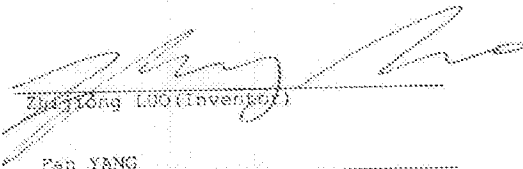
Date: 12/9/2011

Qingqing LIANG (Inventor)

Fan YANG
(Witness Printed Name)

Fan Yang
(Witness Signature)

(Witness Address) No.3 Beitucheng West Road, Chaoyang District, Beijing 100029, P.R.China



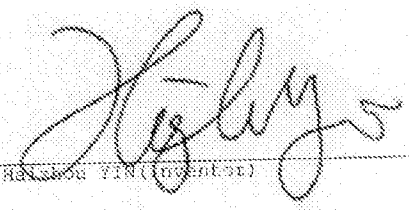
Date: 12/9/2011

Zhaolong LUO (Inventor)

Fan YANG
(Witness Printed Name)

Fan Yang
(Witness Signature)

(Witness Address) No.3 Beitucheng West Road, Chaoyang District, Beijing 100029, P.R.China



Date: 12/9/2011

Huiyou TAN (Inventor)

Fan YANG
(Witness Printed Name)

Fan Yang
(Witness Signature)

(Witness Address) No.3 Beitucheng West Road, Chaoyang District, Beijing 100029, P.R.China