

PATENT ASSIGNMENT

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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>Haizhou Yin</td> <td>11/05/2012</td> </tr> <tr> <td>Zhijiong Luo</td> <td>11/05/2012</td> </tr> <tr> <td>Huilong Zhu</td> <td>11/05/2012</td> </tr> <tr> <td>Da Yang</td> <td>11/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Haizhou Yin	11/05/2012	Zhijiong Luo	11/05/2012	Huilong Zhu	11/05/2012	Da Yang	11/05/2012		
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<table border="1"> <tr> <td>Name:</td> <td>The Institute of Microelectronics, Chinese Academy of Science</td> </tr> <tr> <td>Street Address:</td> <td>No. 3 Beitucheng West Road</td> </tr> <tr> <td>Internal Address:</td> <td>Chao Yang District</td> </tr> <tr> <td>City:</td> <td>Beijing</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>100029</td> </tr> </table>		Name:	The Institute of Microelectronics, Chinese Academy of Science	Street Address:	No. 3 Beitucheng West Road	Internal Address:	Chao Yang District	City:	Beijing	State/Country:	CHINA	Postal Code:	100029
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CORRESPONDENCE DATA													
<p>Fax Number:</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 408-384-9450</p> <p>Email: cye@treasure-ip.com</p> <p>Correspondent Name: Treasure IP Group</p> <p>Address Line 1: 106 Oakland PI</p> <p>Address Line 4: Los Gatos, CALIFORNIA 95032</p>													
ATTORNEY DOCKET NUMBER:	111695HK_120913_115												
NAME OF SUBMITTER:	Qing Ye												
<p>Total Attachments: 4</p> <p>source=111695HK_120913_115_Assignment#page1.tif</p> <p>source=111695HK_120913_115_Assignment#page2.tif</p> <p>source=111695HK_120913_115_Assignment#page3.tif</p> <p>source=111695HK_120913_115_Assignment#page4.tif</p>													

OP \$40.00 13696308

Docket No. 111695HK.120913.115 "Assignment Signature Page"
Method of Manufacturing a Semiconductor Device

ASSIGNMENT

WHEREAS I/We, the below named inventor(s),

Haizhou YIN	of	Poukeepsie, NY
Zhijiong LUO	of	Poukeepsie, NY
Huilong ZHU	of	Poukeepsie, NY
Da YANG	of	Beijing, China

hereby sell and assign to The Institute of Microelectronics, Chinese Academy of Sciences, a corporation of P.R.China, whose post office address is 3 Beitucheng West Road, Chaoyang District, Beijing 100029, P.R.China, hereinafter referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements invented and originated by us and described in the Chinese Patent Application No. 201110155636.X filed on June 10, 2011 and PCT International Application Number PCT/2012/000670 filed on May 16, 2012 and for United States Patent currently entitled:

Method of Manufacturing a Semiconductor Device

Executed concurrently herewith,

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

AND We/I hereby authorize and request our/my agents, USPTO customer number 93229, whose address is 106 Oakland Pl, Los Gatos, CA 95032, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

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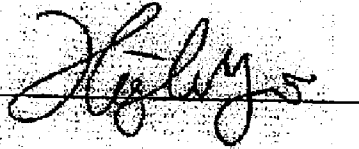
AND We/I hereby covenant for ourselves/myself and our/my legal representatives, and agree with said Company, its successors and assigns, that We/I have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said Company, that prior to the execution of this assignment document, our/my right, title and interest in said improvements had not been otherwise encumbered, and that We/I have not and will not execute any instrument in conflict therewith;

AND We/I do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said Company.

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Method of Manufacturing a Semiconductor Device

INVENTOR 1

Signature:
Haizhou YIN



Date: 11/5/2012

Witnessed by:

Fan Yang
Signature

Date: 11/5/2012

Printed Name of Witness

FAN YANG

Witnessed by:

XIAOW HAN
Signature

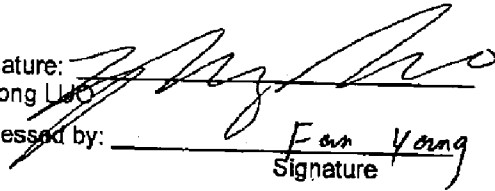
Date: 11/5/2012

Printed Name of Witness

XIAOW HAN

INVENTOR 2

Signature:
Zhijiong LIU



Date: 11/5/2012

Witnessed by:

Fan Yang
Signature

Date: 11/5/2012

Printed Name of Witness

Fan YANG

Witnessed by:

XIAOW HAN
Signature

Date: 11/5/2012

Printed Name of Witness

XIAOW HAN

Docket No. 111695HK.120913.115 "Assignment Signature Page"
Method of Manufacturing a Semiconductor Device

INVENTOR 3

Signature: [Signature] Date: 11/5/2012
Huilong ZHU
Witnessed by: Fan Yang Date: 11/5/2012
Signature

Fan YANG
Printed Name of Witness

Witnessed by: XIAOW HAN Date: 11/5/2012
Signature

XIAOW HAN
Printed Name of Witness

INVENTOR 4

Signature: Dayang Date: 11/5/2012
Da YANG
Witnessed by: Fan Yang Date: 11/5/2012
Signature

Fan YANG
Printed Name of Witness

Witnessed by: XIAOW HAN Date: 11/5/2012
Signature

XIAOW HAN
Printed Name of Witness