

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>Zaifeng TANG</td> <td>12/10/2012</td> </tr> <tr> <td>Yukun LV</td> <td>12/10/2012</td> </tr> <tr> <td>Chao FANG</td> <td>12/10/2012</td> </tr> <tr> <td>HsuSheng CHANG</td> <td>12/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Zaifeng TANG	12/10/2012	Yukun LV	12/10/2012	Chao FANG	12/10/2012	HsuSheng CHANG	12/10/2012
Name	Execution Date										
Zaifeng TANG	12/10/2012										
Yukun LV	12/10/2012										
Chao FANG	12/10/2012										
HsuSheng CHANG	12/10/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Shanghai Huali Microelectronics Corporation</td> </tr> <tr> <td>Street Address:</td> <td>No.497,Gaosi Rd, Zhangjiang Hi-Tech Park, Pudong,</td> </tr> <tr> <td>City:</td> <td>Shanghai</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>201203</td> </tr> </table>		Name:	Shanghai Huali Microelectronics Corporation	Street Address:	No.497,Gaosi Rd, Zhangjiang Hi-Tech Park, Pudong,	City:	Shanghai	State/Country:	CHINA	Postal Code:	201203
Name:	Shanghai Huali Microelectronics Corporation										
Street Address:	No.497,Gaosi Rd, Zhangjiang Hi-Tech Park, Pudong,										
City:	Shanghai										
State/Country:	CHINA										
Postal Code:	201203										
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>13721073</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13721073						
Property Type	Number										
Application Number:	13721073										
CORRESPONDENCE DATA											
Fax Number: 7036363139 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 5713799468 Email: docketing@anovallaw.com Correspondent Name: Anova Law Group, PLLC Address Line 1: 21351 Gentry Drive, Suite 150 Address Line 4: Sterling, VIRGINIA 20166											
ATTORNEY DOCKET NUMBER:	00159.0022.00US										
NAME OF SUBMITTER:	Grace Gao										
Total Attachments: 3 source=Assignment1590022#page1.tif source=Assignment1590022#page2.tif source=Assignment1590022#page3.tif											

OP \$40.00 13721073

ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

**METHOD FOR REDUCING MORPHOLOGICAL DIFFERENCE BETWEEN N-DOPED
AND UNDOPED POLYSILICON GATES AFTER ETCHING**

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____ (Application No. _____); and

WHEREAS, Shanghai Huali Microelectronics Corporation, a corporation of P.R. China whose post office address is No.497 Gaosi Rd, Zhangjiang Hi-Tech Park, Pudong, Shanghai, China 201203 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. _____ filed _____ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

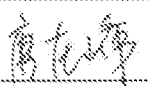
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

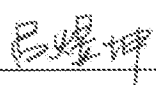
AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____ filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

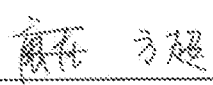
Inventor 1:

Name: Zaifeng TANG
Address: No.497, Gaosi Rd, Zhangjiang Hi-Tech Park,
Pudong, Shanghai, China 201203
Signature: 
Date: 2012.12.10

Inventor 2:

Name: Yukun LV
Address: No.497, Gaosi Rd, Zhangjiang Hi-Tech Park,
Pudong District, Shanghai, China 201203
Signature: 
Date: 2012.12.10

Inventor 3:

Name: Chao FANG
Address: No.497, Gaosi Rd, Zhangjiang Hi-Tech Park,
Pudong District, Shanghai, China 201203
Signature: 
Date: 2012.12.10

Inventor 4:

Name: HsuSheng CHANG

Address: No.497, Gaosi Rd, Zhangjiang Hi-Tech Park,
Pudong District, Shanghai, China 201203

Signature: 

Date: 2012. 12. 10