

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Huicai Zhong	03/11/2011
Qingqing Liang	03/11/2011
RECEIVING PARTY DATA	
Name:	Institute of Microelectronics, Chinese Academy of Sciences
Street Address:	No. 3 Beitucheng West Road
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13119513
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NAME OF SUBMITTER:	Paul Davis

Total Attachments: 3
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PATENT
REEL: 025973 FRAME: 0924

OP \$40.00 13119513

ASSIGNMENT

WHEREAS, We/I, **ZHONG, Huicai**, residing at No. 3 Beitucheng West Road, Chaoyang District, Beijing 100029, P.R. China and **LIANG, Qingqing**, residing at No. 3 Beitucheng West Road, Chaoyang District, Beijing 100029, P.R. China have invented certain new and useful improvements in and to the subject matter of:

CONTACT HOLE, SEMICONDUCTOR DEVICE AND METHOD FOR FORMING THE SAME

described in an application for United States Letters Patent, filed on March 17, 2011, and accorded Application No. 13/119,513

AND, WHEREAS, **Institute of Microelectronics, Chinese Academy of Sciences**, organized under the laws of China, having a place of business located at No. 3 Beitucheng West Road, Chaoyang District, Beijing 100029, P.R. China (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND I hereby authorize and request our agents, Goodwin Procter LLP, whose address is 901 New York Ave., N.W.; Washington, DC 20001, 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.

AND I hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

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

AND 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 ASSIGNEE.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

3/11/2010
Date

Huicai Zhong
ZHONG, Huicai

On this 11 day of Mar., 2011, before me personally appeared ZHONG, Huicai, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

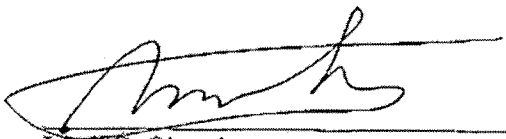
Witnessed by *Donghui Wang*
(Signature)

Wang Donghui
(Print Name)

Witnessed by *Zhengping Fan*
(Signature)

Fan Zhengping
(Print Name)

03/11/2011
Date



LIANG, Qingqing

On this 11 day of Mar., 2011, before me personally appeared **LIANG, Qingqing**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Witnessed by Donghui Wang
(Signature)

Wang Donghui
(Print Name)

Witnessed by Zhengping Fan
(Signature)

Fan Zhengping
(Print Name)