PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

CONVEYING PARTY DATA Name Execution Da Tao Yang 11/15/2012 Chao Zhao 11/15/2012 Junfeng Li 11/15/2012 Ruibing Hou 11/15/2012 Yihong LU 11/15/2012 Huishan Cui 11/15/2012 RECEIVING PARTY DATA 11/15/2012 RECEIVING PARTY DATA 11/15/2012 RECEIVING PARTY DATA Internal Address: Name: The 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: 13698283 CORRESPONDENCE DATA Fax Number: Cyc@(treasure-ip.com) Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Email: cyc@(treasure-ip.com) Correspondent Name: Treasure IP Group Address Line 1: Lio Gatos, CALIFORN	SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
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	NAME OF SUBMITTER:		Qng Ye		
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Total Attachments: 5
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Docket No. 111673HK.120710.140 "Assignment Signature Page" A Method for Improving Uniformity of Chemical-Mechanical Planarization Process

ASSIGNMENT

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

Tao YANG	of	Beijing, China
Chao ZHAO	of	Kessel-lo, Belgium
Junfeng Ll	of	Beijing, China
Ruibing HOU	of	Beijing, China
Yihong LU	of	Beijing, China
Hushan CUI	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. 201210112494.3 filed on April 16, 2012 and PCT International Application Number PCT/2012/000802 filed on June 12, 2012 and for United States Patent currently entitled:

A Method for Improving Uniformity of Chemical-Mechanical Planarization Process

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 PI, Los Gatos, CA 95032, to insert hereon any identification

Page 1 of 5

PATENT REEL: 029308 FRAME: 0237

necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

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.

Page 2 of 5

PATENT REEL: 029308 FRAME: 0238

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Docket No. 111673HK 120710.140 "Assignment Signature Page" A Method for improving Uniformity of Chemical-Mechanical Planarization Process

INVENTOR 1	
Signature:	Da
Witnessed by: <u>Fam Yang</u> Signature	Da
Fan YANG Printed Name of Witness	
Witnessed by: <u>Xĩay lử HAN</u> Signature Xĩay lử HAN	D
Printed Name of Witness	
INVENTOR 2 D D	
Signature:	٢
Witnessed by: <u>Fan Yan</u> Signature	, C
Fam YANG Printed Name of Witness	
Fan YANG Printed Name of Witness Witnessed by: XTao W HAN Signature	[
Witnessed by: XTaoW HAN	[

ate: _____ 11/ 15/ 2012

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Date: ______ Date: _____ U/ 15/ 2012

Date: _______

Page 3 of 5

Docket No. 111673HK.120710.140 "Assignment Signature Page" A Method for improving Uniformity of Chemical-Mechanical Planarization Process

INVENTOR 3

Signature: Junfeng LI Witnessed by: <u>Fan Vony</u> Signature
Fan YANG
Printed Name of Witness
Witnessed by: <u>XIAOLO</u> HAN Signature XTAOLOHAN
XTOON HAN

Date: 11/15/ 2012

Date: _______

Date: 11/15/ +012

INVENTOR 4			
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Signature:	10 t		
Ruibing HOU	\sim	/	
Witnessed by:	Fan	Yang	
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	Fam_	YANG	
Printed Name of W			
Witnessed by:	XIgoW	HAN	
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Printed Name of Witness

Page 4 of 5

Docket No. 111673HK 120710.140 "Assignment Signature Page" A Method for improving Uniformity of Chemical-Mechanical Planarization Process

INVENTOR 5

Signature:	Date:
Witnessed by: <u>Form Yong</u> Signature	Date:
Fan YANG Printed Name of Witness	
Witnessed by: <u>X7aoW</u> HAN Signature	Date: 4/ 15/ 2012
Printed Name of Wilness	
INVENTOR 6	
Signature: <u>(また)</u> Hushan CUi	Date:
Witnessed by: <u>Form York g</u> Signature	Date: 1/15/2012
Foun YANG Printed Name of Witness	
Witnessed by: <u>XTOOW</u> HAN Signature <u>XTOOW</u> HAN	Date:
XTAOW HAN Printed Name of Witness	
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Page 5 of 5

PATENT REEL: 029308 FRAME: 0241

RECORDED: 11/16/2012