

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YU-LIEN HUANG	09/30/2014
	YUNG-TA LI	09/30/2014
	MENG-KU CHEN	09/30/2014
RECEIVING PARTY DATA		
Name:	Taiwan Semiconductor Manufacturing Company Limited	
Street Address:	No. 8, Li-Hsin Road, VI	
Internal Address:	Hsinchu Science Park	
City:	Hsinchu	
State/Country:	TAIWAN	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14505631	
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	181877-625148	
NAME OF SUBMITTER:	MATTHEW W. JOHNSON	
SIGNATURE:	/Matthew W. Johnson/	
DATE SIGNED:	10/06/2014	
Total Attachments: 1		
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JOINT

ASSIGNMENT

WHEREAS, WE, YU-LIEN HUANG, citizen of the Republic of China, having a mailing address of 3F., No. 123, Jhuangjing 3rd Rd., Jhubei City, Hsinchu County 302, Taiwan residing at Hsinchu County, Taiwan, YUNG-TA LI, citizen of the Republic of China, having a mailing address of No. 763, Chongli Rd., Zuoying Dist., Kaohsiung City 813, Taiwan residing at Kaohsiung City, Taiwan, and MENG-KU CHEN, citizen of the Republic of China, having a mailing address of 2F., No. 38, Aly. 13, Ln. 211, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan residing at New Taipei City, Taiwan, ASSIGNORS, are the inventors of the invention in "METHOD OF FORMING NANOWIRES" for which we have executed an application for a Patent of the United States

- ☒ which is executed on ☒ even date herewith or ☐ [DATE]
☒ which is identified by Jones Day docket no. 181877-625148
☐ which was filed on _____, 2014, Application No. _____
☐ We hereby authorize and request attorney(s) at Jones Day, to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

and WHEREAS, Taiwan Semiconductor Manufacturing Company Limited, a corporation organized and existing under the laws of the Republic of China, and having an office for the transaction of business at No. 8, Li-Hsin Rd. VI, Hsinchu Science Park, Hsinchu, Taiwan, PROPRIETOR, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said PROPRIETOR, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said PROPRIETOR, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said PROPRIETOR, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said PROPRIETOR, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 2014. 9. 30, 2014 Yu-Lien Huang L.S.
YU-LIEN HUANG

Date 2014. 9. 30, 2014 Yung-Ta Li L.S.
YUNG-TA LI

Date 2014. 9. 30, 2014 Meng-Ku Chen L.S.
MENG-KU CHEN

PATENT

RECORDED: 10/06/2014

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