503287062 04/30/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
PEI-CHENG HSU	02/02/2015
CHIH-TSUNG SHIH	02/02/2015
CHIH-CHENG LIN	02/02/2015
TA-CHENG LIEN	02/02/2015
SHINN-SHENG YU	02/02/2015
JENG-HORNG CHEN	02/03/2015
HSIN-CHANG LEE	02/02/2015
ANTHONY YEN	02/03/2015

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.		
Street Address:	NO. 8, LI-HSIN RD. 6		
Internal Address: SCIENCE-BASED INDUSTRIAL PARK			
City:	HSIN-CHU		
State/Country:	TAIWAN		
Postal Code:	300-77		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14615185

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 214-651-5000

Email: ipdocketing@haynesboone.com

Correspondent Name: HAYNES AND BOONE, LLP IP SECTION

Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER: 24061.3032

NAME OF SUBMITTER: DENISE WILSON

503287062 PATENT REEL: 035535 FRAME: 0715

SIGNATURE:	/Denise Wilson/
DATE SIGNED:	04/30/2015
Total Attachments: 4 source=assignment#page1.tif source=assignment#page2.tif source=assignment#page3.tif source=assignment#page4.tif	

PATENT REEL: 035535 FRAME: 0716

Attorney Docket No.: 2014-1115 / 24061.3032

Customer No.: 000042717

ASSIGNMENT

WHEREAS,	we,
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(1)	Pei-Cheng Hsu	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.
(2)	Chih-Tsung Shih	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.
(3)	Chih-Cheng Lin	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.
(4)	Ta-Cheng Lien	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.
(5)	Shinn-Sheng Yu	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.
(6)	Jeng-Horng Chen	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.
(7)	Hsin-Chang Lee	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.
(8)	Anthony Yen	of	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, R.O.C.

have invented certain improvements in

EUV PELLICLE FABRICATION METHODS AND STRUCTURES THEREOF

for which we have executed an application for Letters Patent of the United States of America,

	of even date filed herewith; and		
<u>X</u>	filed on February 5, 2015 and assigned application number	14/615,185	; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China. is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all

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Attorney Docket No.: 2014-1115 / 24061.3032

Customer No.: 000042717

reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant 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 said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

inventor Name:	Per-Cheng Hsu			
Residence Address:	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu 300-77, Taiwan, R.O.C.			
Dated: <u>≥/</u> 2/		y Har		
Inventor Name:	Chih-Tsung Shih			
Residence Address:	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park	2 A		

Dated: 2/2/2015 Hsin-Chu 300-77, Taiwan, R.O.C.

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Attorney Docket No.: 2014-1115 / 24061.3032

Customer No.: 000042717

Inventor Name:

Chih-Cheng Lin

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated: _ Z, 2. 2015

Inventor Signature

Inventor Name:

Ta-Cheng Lien

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated: 02 03 20 (C

Ta Cheng Lien

Inventor Signature

Inventor Name:

Shinn-Sheng Yu

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated: 02/02, 2015

Shinn-Sheng Gue Inventor Signature

Inventor Name:

Jeng-Horng Chen

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated:

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Attorney Docket No.: 2014-1115 / 24061.3032

Customer No.: 000042717

Inventor Name:

Hsin-Chang Lee

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated: >0 (, > , >

Heig - Chang Lee Inventor Signature

Inventor Name:

Anthony Yen

Residence Address:

No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park

Hsin-Chu 300-77, Taiwan, R.O.C.

Dated: 2015 3

Inventor Signature

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RECORDED: 04/30/2015

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