503392298 07/15/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3438923

SUBMISSION TYPE:		NEW ASSIGNM	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT				
CONVEYING PARTY DA	АТА						
		Name			Execution Date		
CHIH-TSUNG SHIH				07/07/2015			
SHINN-SHENG YU				07/07/2015			
JENG-HORNG CHEN				07/08/2015			
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State/Country:	TAIWA	N					
Postal Code:	300-77						
PROPERTY NUMBERS	Total: 1						
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Docket No.: P20140715US00 / 24061.3074 Customer No.: 42717

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		ASS	ASSIGNMENT			
WHEREAS, we,						
(1)	Chih-Tsung Shih	of	7F., No. 2, Nanzhong St., North Dist. Hsinchu City 300, Taiwan, R.O.C.			
(2)	Shinn-Sheng Yu	of	4F-2, No. 16, Lane 634, Nanda Rd. Hsinchu, Taiwan, R.O.C.			
(3)	Jeng-Horng Chen	of	1, Alley 2, Lane 45, Fu-Chyun Str. Hsin-Chu, Taiwan, R.O.C.			
(4)	Anthony Yen	of	20F-9, 188 Guanxin Road Hsinchu, 300, Taiwan, R.O.C.			

have invented certain improvements in

PELLICLE FOR EUV MASK AND FABRICATION THEREOF

for which we have filed an application for Letters Patent of the United States of America on ______, and assigned U.S. Serial number ______; 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 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. 111

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.

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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:	Chih-Tsung Shih		
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Dated: 7/7/7015		<u>Unid</u> JSUMO Inventor Signature	shih
Inventor Name:	Shinn-Sheng Yu	· · · · · · · · · · · · · · · · · · ·	
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Dated: <u>11112915</u>	· · · · · · · · · · · · · · · · · · ·	Shinn Shong Chu Inventor Signature	
Inventor Name:	Jeng-Horng Chen	000000	
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Dated: 7/7/16	· · · · · · · · · · · · · · · · · · ·	Inventor Signature	\geq

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