

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2781304

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	TSUNG-DING WANG	03/17/2014
	HAN-PING PU	03/17/2014
	KIM HONG CHEN	03/19/2014
	JUNG WEI CHENG	03/17/2014
	CHIEN LING HWANG	03/17/2014
	HSIN-YU PAN	03/17/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	Taiwan Semiconductor Manufacturing Company, Ltd.	
<b>Street Address:</b>	No. 8, Li-Hsin Rd. 6	
<b>Internal Address:</b>	Science-Based Industrial Park	
<b>City:</b>	Hsin-Chu	
<b>State/Country:</b>	TAIWAN	
<b>Postal Code:</b>	300-77 R.O.C.	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14206870
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(972)732-9218	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	972-732-1001	
<b>Email:</b>	docketing@slater-matsil.com	
<b>Correspondent Name:</b>	SLATER & MATSIL, L.L.P.	
<b>Address Line 1:</b>	17950 PRESTON ROAD	
<b>Address Line 2:</b>	SUITE 1000	
<b>Address Line 4:</b>	DALLAS, TEXAS 75252	
<b>ATTORNEY DOCKET NUMBER:</b>	TSM13-1718	
<b>NAME OF SUBMITTER:</b>	JENNIFER RUBIO	
<b>SIGNATURE:</b>	/Jennifer Rubio/	
<b>DATE SIGNED:</b>	03/24/2014	

PATENT

**Total Attachments: 2**

source=TSM13-1718 Assignment as filed 2014-03-24#page1.tif

source=TSM13-1718 Assignment as filed 2014-03-24#page2.tif

ATTORNEY DOCKET NO.  
TSM13-1718**ASSIGNMENT**

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

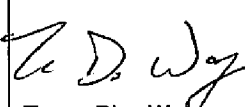
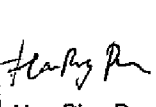
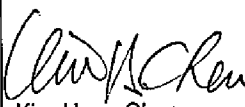
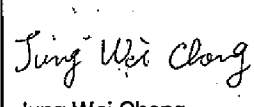
WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd. (TSMC), a corporation organized and existing under the laws of Taiwan, the Republic of China, with its principal office at No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, R.O.C., is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TSMC, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TSMC, as assignee of my entire right, title and interest. I declare that I have not executed and will not execute any agreement in conflict herewith.

I also hereby sell and assign to TSMC, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TSMC, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TSMC, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

TITLE OF INVENTION	3D INTEGRATED CIRCUIT PACKAGE PROCESSING WITH PANEL TYPE LID			
SIGNATURE OF INVENTOR AND NAME	 Tsung-Ding Wang	 Han-Ping Pu	 Kim Hong Chen	 Jung Wei Cheng
DATE	2014.3.17	2014.3.17	2014.3.19	2014.3.17
RESIDENCE (City, County, State)	Tainan, Taiwan	Taichung, Taiwan	Fremont, CA	Hsin-Chu, Taiwan

ATTORNEY DOCKET NO.  
TSM13-1718

### ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and


WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd. (TSMC), a corporation organized and existing under the laws of Taiwan, the Republic of China, with its principal office at No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, R.O.C., is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon in the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TSMC, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TSMC, as assignee of my entire right, title and interest. I declare that I have not executed and will not execute any agreement in conflict herewith.

I also hereby sell and assign to TSMC, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TSMC, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention or the file history thereof, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TSMC, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

TITLE OF INVENTION	3D INTEGRATED CIRCUIT PACKAGE PROCESSING WITH PANEL TYPE LID			
SIGNATURE OF INVENTOR AND NAME	Chien Ling Hwang Chien Ling Hwang	 Hsin-Yu Pan		
DATE	2014.3.17	3/17/2014		
RESIDENCE (City, County, State)	Hsin-Chu, Taiwan	Taipei, Taiwan		