### 501769689 12/28/2011

### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Sheng-Chen Wang	12/05/2011
Feng-Inn Wu	12/05/2011
Chih-Hung Tsa	12/05/2011
Haung-Jen Hsu	12/05/2011
Te-Chia Hsu	12/05/2011

#### **RECEIVING PARTY DATA**

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City:	Hsin-Chu	
State/Country:	TAIWAN	
Postal Code:	300-77	

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13308706

# **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	TSMCP118US
NAME OF SUBMITTER:	Thomas G. Eschweiler

PATENT REEL: 027450 FRAME: 0929 **JP \$40.00 13308706** 

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Total Attachments: 7	
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# PATENT ASSIGNMENT

# PARTIES TO THE ASSIGNMENT

### Assignor(s):

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#### Assignee:

Taiwan Semiconductor Manufacturing Co., Ltd. No. 8, Li-Hsin Rd. 6, Hsin-Chu Science Park Hsin-Chu, Taiwan 300-77 Republic of China

Docket No. TSMCP118US

#### **AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "SLURRY SLUPPY SYSTEM FOR CMP PROCESS" for which:

a non-prov	isional application for United States Letters Patent:
	was executed on even date preparatory to filing (each inventor should sign this
	Assignment on the same day as he/she signs the Declaration and Power of
	Attorney); or
$\boxtimes$	was filed on December 1, 2011 and accorded U.S. Serial No. 13/308,706; or
	will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby
	authorizes and requests ASSIGNEE'S legal representatives, the attorneys
	associated with Customer No, to insert below in this document this
	APPLICATION's U.S. Serial Number and filing date, when known:
	U.S. Serial No.
	filed on

WHEREAS, ASSIGNEE (listed above), a corporation of the Republic of China is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said invention and improvements, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, re-examinations and

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continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

2011/12/05 Date Sheng - Chen Wang
Name 1st Inventor Sheng-Chen Wang

<u>ルルル、ロン、ロリー</u> Date

Tang-Inn Wu
Name 2<sup>nd</sup> Priventor Feng-Inn Wu

Chih - Hung Tsai

Name 3rd Inventor Chih-Hung Tsai

20/1/12/5

Date

Haung-Jen Kky
Name 4th Inventor Haung-Jen Hsu

PATENT REEL: 027450 FRAME: 0936

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Docket No. TSMCP118US

50(1,12,05 Date

**RECORDED: 12/28/2011** 

Te-chia Hsu

Name 5<sup>th</sup> Inventor Te-Chia Hsu