

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2830514

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHIH-MING CHANG	04/17/2014
MING-FENG SHIEH	04/17/2014
RU-GUN LIU	04/17/2014
TSAI-SHENG GAU	04/17/2014
RECEIVING PARTY DATA	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
Street Address:	NO. 8, LI-HSIN RD. 6, SCIENCE-BASED INDUSTRIAL PARK
City:	HSIN-CHU
State/Country:	TAIWAN
Postal Code:	300-77
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14262279
CORRESPONDENCE DATA	
Fax Number:	(214)200-0853
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
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:	24061.2655
NAME OF SUBMITTER:	LINDA INGRAM
SIGNATURE:	/Linda Ingram/
DATE SIGNED:	04/25/2014
Total Attachments: 3	
source=2655_Assignment#page1.tif	
source=2655_Assignment#page2.tif	

ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|-----------------|----|---|
| (1) | Shih-Ming Chang | of | 12F., No.106, Chenggong 8th Road
Zhubei City, Hsinchu County 302
Taiwan R.O.C. |
| (2) | Ming-Feng Shieh | of | No.68, Lane 186, Shenglong Street
Yongkang City, Tainan County 71089,
Taiwan R.O.C. |
| (3) | Ru-Gun Liu | of | No.90, Chenggong 5th Street, Zhubei City
Hsinchu County 302, Taiwan R.O.C. |
| (4) | Tsai-Sheng Gau | of | No. 35, Lane 4, An-Kang Street
Hsinchu City, Taiwan R.O.C. |

have invented certain improvements in

SYSTEMS AND METHODS FOR A SEQUENTIAL SPACER SCHEME

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

_____ of even date filed herewith; and
 X filed on April 25, 2014, and assigned application number 14/262,279; 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.

Docket No.: 2013-1071/24061.2655

Customer No.: 000042717

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: Shih-Ming Chang

Residence Address: 12F., No.106, Chenggong 8th Road, Zhubei City
Hsinchu County 302, Taiwan R.O.C.

Dated: 2014-04-17


Inventor Signature

Inventor Name: Ming-Feng Shieh

Residence Address: No.68, Lane 186, Shenglong Street
Yongkang City, Tainan County 71089, Taiwan R.O.C.

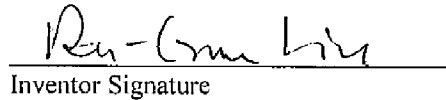
Dated: 2014-04-17


Inventor Signature

Inventor Name: Ru-Gun Liu

Residence Address: No.90, Chenggong 5th Street, Zhubei City
Hsinchu County 302, Taiwan R.O.C.

Dated: 2014. 4/17

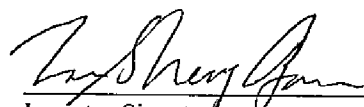

Inventor Signature

Docket No.: 2013-1071/24061.2655
Customer No.: 000042717

Inventor Name: Tsai-Sheng Gau

Residence Address: No. 35, Lane 4, An-Kang Street
Hsinchu City, Taiwan R.O.C.

Dated: 2014 4. 17


Inventor Signature