

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4128827

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SU-JEN SUNG	08/12/2013
CHIH-CHIANG CHANG	08/12/2013
CHIA-HO CHEN	08/12/2013
RECEIVING PARTY DATA	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
Street Address:	NO. 8, LI-HSIN RD. 6
Internal Address:	HSIN-CHU SCIENCE PARK
City:	HSIN-CHU
State/Country:	TAIWAN
Postal Code:	300-77
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15343393
CORRESPONDENCE DATA	
Fax Number:	(216)502-0601
<i>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.</i>	
Phone:	216-502-0600
Email:	docketing@eschweilerlaw.com
Correspondent Name:	ESCHWEILER & ASSOCIATES, LLC.
Address Line 1:	629 EUCLID AVENUE, SUITE 1000
Address Line 2:	NATIONAL CITY BANK BUILDING
Address Line 4:	CLEVELAND, OHIO 44114
ATTORNEY DOCKET NUMBER:	TSMCP258USB
NAME OF SUBMITTER:	JAMES R. POTASHNIK
SIGNATURE:	/James R. Potashnik/
DATE SIGNED:	11/04/2016
Total Attachments: 5	
source=Assignment#page1.tif	
source=Assignment#page2.tif	

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

U.S. Patent Appln. No.

Docket No. TSMCP258US

Filing Date:

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Su-Jen Sung
9F., No. 150, Sec. 1, Shengli 7th St.
Zhubei City, Hsinchu County
302, Taiwan (R.O.C.)

Assignor(s):

Chih-Chiang Chang
9F., No. 52, Jiaren St.
Zhubei City, Hsinchu County
302, Taiwan (R.O.C.)

Assignor(s):

Chia-Ho Chen
7F., No. 155, Sec. 1, Jiafeng 2nd St.
Zhubei City, Hsinchu County
302, Taiwan (R.O.C.)

Assignee:

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

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"ELECTRO-MIGRATION BARRIER FOR Cu INTERCONNECT" for which:

a non-provisional 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
- ☐ was filed on _____ and accorded U.S. Serial No. _____; or
- ☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, the attorneys

TSMC Docket No. TSMC2012-1383

U.S. Patent Appln. No.

Docket No. TSMCP258US

Filing Date:

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
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

TSMC Docket No. TSMC2012-1383

U.S. Patent Appln. No.

Docket No. TSMCP258US

Filing Date:

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.

✓ 2013/08/12
Date

✓ Su-Jen Sung
Name 1st Inventor Su-Jen Sung

U.S. Patent Appln. No.

Filing Date:

✓ 2013/8/12
Date

TSMC Docket No. TSMC2012-1383

Docket No. TSMCP258US

✓ Chih-Chiang Chang
Name 2nd Inventor Chih-Chiang Chang

U.S. Patent Appln. No.

Filing Date:

✓ 2013/8/12
Date

TSMC Docket No. TSMC2012-1383

Docket No. TSMCP258US

✓ Chia-Ho Chen
Name 3rd Inventor Chia-Ho Chen