#### 503981345 08/29/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4028001

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SHANG-CHIEH CHIEN	09/24/2013
SHU-HAO CHANG	09/25/2013
JUI-CHING WU	09/25/2013
TSUNG-YU CHEN	09/25/2013
TZU-HSIANG CHEN	10/02/2013
MING-CHIN CHIEN	09/25/2013
CHIA-CHEN CHEN	10/03/2013
JENG-HORNG CHEN	10/02/2013

### RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	
Street Address:	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:	15249989

### **CORRESPONDENCE DATA**

Fax Number: (216)502-0601

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.

Phone: 216-502-0600

Email: docketing@eschweilerlaw.com

ESCHWEILER & ASSOCIATES, LLC. Correspondent Name: Address Line 1: 629 EUCLID AVENUE, SUITE 1000 Address Line 2: NATIONAL CITY BANK BUILDING

Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER:	TSMCP293USA
NAME OF SUBMITTER:	DAVID W. POTASHNIK

PAIENI REEL: 039565 FRAME: 0547 503981345

SIGNATURE:	/David W. Potashnik/
DATE SIGNED:	08/29/2016
Total Attachments: 11	
source=Assignment#page1.tif	
source=Assignment#page2.tif	
source=Assignment#page3.tif	
source=Assignment#page4.tif	
source=Assignment#page5.tif	
source=Assignment#page6.tif	
source=Assignment#page7.tif	
source=Assignment#page8.tif	
source=Assignment#page9.tif	
source=Assignment#page10.tif	
source=Assignment#page11.tif	

PATENT REEL: 039565 FRAME: 0548 Mcohiend 2013/09/38 15:49:10

TSMC Docket No. TSMC2013-0413

Docket No. TSMCP293US

U.S. Patent Appln. No. 14/035,268 Filling Date: September 24, 2013

# PATENT ASSIGNMENT

# PARTIES TO THE ASSIGNMENT

#### Assignor(s):

Shang-Chieh Chien 2F, No. 8, Ln. 113, Sec. 3, Sanhe Rd. Sanchong Dist. New Taipei City 241 Taiwan (R.O.C.)

### Assignor(s):

Shu-Hao Chang 3F, No. 229, Raohe St. Songshan Dist. Taipei City 105 Taiwan (R.O.C.)

## Assignor(s):

Jui-Ching Wu 10F, No. 223, Bade Rd. East Dist. Hsinchu City 300 Taiwan (R.O.C.)

## Assignor(s):

Tsung-Yu Chen 6F-3, No. 113, Zhiping Rd. East Dist. Hsinchu City 300 Taiwan (R.O.C.)

## Assignor(s):

Tzu-Hsiang Chen Rm. 1, 3F, No. 10, Ziqiang 6th St. Hsinchu County Zhubei City 302 Taiwan (R.O.C.)

# Assignor(s):

Ming-Chin Chien No. 52, Jinshan E. 3rd St. East Dist. Hsinchu City 300 Talwan (R.O.C.)

Page 1 of 11

Jan 2008

Filing Date: September 24, 2013

ecchiend 2013/09/28 18:49:10

Assignor(s): Chia-Chen Chen 6F, No. 180, Guanxin W. Street Hsinchu City 30072 Taiwan (R.O.C.)

Assignor(s): Jeng-Horng Chen 1, Alley 2, Lane 45, Fu-Chyun Str. Hsin-Chu 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 "ROTARY EUV COLLECTOR" for which:

a n	on-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
$\boxtimes$	was filed on September 24, 2013 and accorded U.S. Serial No. 14/035,268; or
	I hereby authorize and request my attorney associated with Customer No
	107476, to insert on the designated lines below the filing date and application
	number of said application when known:
	U.S. Serial No.
	filed on,

Page 2 of 11

Jan 2008

#00hiond 2013/09/25 18:49:10

TSMC Docket No. TSMC2013-0413
Docket No. TSMCP293US

U.S. Patent Appln. No. 14/035,268

Filing Date: September 24, 2013

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

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.

Page 3 of 11

Jan 2008

Attachment 15a

PATENT REEL: 039565 FRAME: 0551

Filing Date: September 24, 2013

TSMC Docket No. TSMC2013-0413

Docket No. TSMCP293US

Sept. 24. 2013 Date

sechiand 2013/09/25 18:49:10

Shang - Chi-eh Chien.

Name (1st Inventor Shang-Chieh Chien)

TSMC Docket No. TSMC2013-0413
Docket No. TSMCP293US

U.S. Patent Appln. No. 14/035,268

Filing Date: September 24, 2013

Sep. - 25, >01}

Name 2<sup>nd</sup> Inventor Shu-Hao Chang

Filing Date: September 24, 2013

TSMC Docket No. TSMC2013-0413

Docket No. TSMCP293US

Sep. 25 2013

Jui-China Wu
Name 3rd Inventor Jui-Ching Wu

ecchiena 2013/09/25 15:49:10

U.S. Patent Appln. No. 14/035,268

Filing Date: September 24, 2013

TSMC Docket No. TSMC2013-0413

Docket No. TSMCP293US

4" Inventor Tsung-Yu Chen

\*cchiend 2023/08/25 25:49:20

TSMC Docket No. TSMC2013-0413

Docket No. TSMCP293US

U.S. Patent Appln. No. 14/035,268

Filing Date: September 24, 2013

10 2. 10. 7 Date

Name

ame 5th Inventor Tzu-Hsiang Chen

Page 8 of 11

Jan 2008

ecchiend 2012/09/25 15:49:10

TSMC Docket No. TSMC2013-0413 Docket No. TSMCP293US

U.S. Patent Appln. No. 14/035,268 Filing Date: September 24, 2013

2013.09.15 Date

間 超 Mang - Chin Chien.

ame 6th Inventor Ming-Chin Chien

Filing Date: September 24, 2013

TSMC Docket No. TSMC2013-0413 Docket No. TSMCP293US

(0/3/2013

Date

wachiland 2013/09/28 15:49:10

Name 7<sup>th</sup> Inventor Chia-Chen Chen

mochiena 2023/09/26 25:49:20

U.S. Patent Appln. No. 14/035,268 Filing Date: September 24, 2013 TSMC Docket No. TSMC2013-0413
Docket No. TSMCP293US

16/2 >013 Date

ame 8th Inventor Jend-Horng Cher

Page 11 of 11

Jan 2008

**RECORDED: 08/29/2016**