

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HUI-TING YANG	04/22/2016
CHIH-MING LAI	04/27/2016
CHUN-KUANG CHEN	04/28/2016
CHIH-LIANG CHEN	04/25/2016
CHARLES CHEW-YUEN YOUNG	04/26/2016
JIANN-TYNG TZENG	04/29/2016
KAM-TOU SIO	04/21/2016
MENG-HUNG SHEN	04/22/2016
RU-GUN LIU	04/27/2016
WEI-CHENG LIN	04/22/2016

RECEIVING PARTY DATA

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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:	16154035

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**Correspondent Name:** ESCHWEILER & POTASHNIK, LLC**Address Line 1:** ROSETTA CENTER**Address Line 2:** 629 EUCLID AVE., SUITE 1000**Address Line 4:** CLEVELAND, OHIO 44114

PATENT

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NAME OF SUBMITTER:	JAMES R. POTASHNIK
SIGNATURE:	/James R. Potashnik/
DATE SIGNED:	10/08/2018

Total Attachments: 12

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PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Hui-Ting Yang

Assignor(s):

Chih-Ming Lai

Assignor(s):

Chun-Kuang Chen

Assignor(s):

Chih-Liang Chen

Assignor(s):

Charles Chew-Yuen Young

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Jiann-Tyng Tzeng

Assignor(s):

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Assignor(s):

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Assignor(s):

Ru-Gun Liu

Assignor(s):

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Assignee:

Taiwan Semiconductor Manufacturing Co., Ltd.
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AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
"DUMMY MOL REMOVAL FOR PERFORMANCE ENHANCEMENT" 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); or
- was filed on _____ and accorded U.S. Serial No. _____; 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 _____.

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.

2016.4.22
Date

Hui-Ting Yang
Name 1st Inventor Hui-Ting Yang

2016.04.27
Date

Chih-Ming Lai
Name 2nd Inventor Chih-Ming Lai

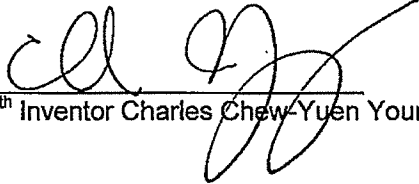
2016, April 28
Date

Chun-Kuang Chen
Name 3rd Inventor Chun-Kuang Chen

2016/04/25
Date

Chih-Liang Chen
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4/26/2016
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Name 5th Inventor Charles Chew-Yuen Young

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Kam-Tou Sio.
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Date

Ru-Gun Liu
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Wei-Cheng, Lin
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