

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5502943

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PENG-REN CHEN	09/10/2015
SHIANG-BAU WANG	09/10/2015
WEN-HAO CHENG	09/10/2015
YUNG-JUNG CHANG	09/16/2015
WEI-CHUNG HU	09/10/2015
YI-AN HUANG	09/10/2015
JYUN-HONG CHEN	09/10/2015
RECEIVING PARTY DATA	
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State/Country:	TAIWAN
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16400833
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NAME OF SUBMITTER:	RANDY A. NORANBROCK
SIGNATURE:	/Randy A. Noranbrock/
DATE SIGNED:	05/01/2019

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Total Attachments: 2

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ASSIGNMENT

WHEREAS, Peng-Ren CHEN, Shiang-Bau WANG, Wen-Hao CHENG, Yung-Jung CHANG, Wei-Chung HU, Yi-An HUANG, and Jyun-Hong CHEN

hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **METHOD AND SYSTEM FOR DIAGNOSING A SEMICONDUCTOR WAFER**

Filed: 2015-09-18

Serial No. 14/858,049

Executed on: _____

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd. of No.8, Li-Hsin Road. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

ASSIGNMENT

✓ 2015, 9, 10 ✓ Peng-Ren Chen
Date Name: Peng-Ren CHEN (Last name: CHEN)

✓ 2015. Sep. 10 ✓ Shiang-Bau Wang
Date Name: Shiang-Bau WANG (Last name: WANG)

✓ 2015. 9. 10 ✓ Wen-Hao Cheng
Date Name: Wen-Hao CHENG (Last name: CHENG)

✓ 2015. 9. 16 ✓ Yung-Jung Chang
Date Name: Yung-Jung CHANG (Last name: CHANG)

✓ 2015/9/10 ✓ Wei-Chung Hu
Date Name: Wei-Chung HU (Last name: HU)

✓ 2015/9/10 ✓ Yi-An Huang
Date Name: Yi-An HUANG (Last name: HUANG)

✓ 2015/9/10 ✓ Jyun-Hong Chen
Date Name: Jyun-Hong CHEN (Last name: CHEN)