12/02/2016 504120189

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4166859

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAI-DI CHUANG	11/21/2016
TIEN-CHUNG LEE	11/21/2016
CHIU-HUA CHUNG	11/21/2016
KANG-TAI PENG	11/21/2016

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	
Street Address:	NO. 8, LI-HSIN RD. 6, HSINCHU SCIENCE PARK	
City:	HSINCHU	
State/Country:	TAIWAN	
Postal Code:	300-78	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15355446

CORRESPONDENCE DATA

Fax Number: (404)521-4286

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: 678-483-8899

Email: dan.mcclure@mqrlaw.com

MCCLURE, QUALEY & RODACK, LLP **Correspondent Name:** 3100 INTERSTATE NORTH CIRCLE Address Line 1:

Address Line 2: **SUITE 150**

Address Line 4: ATLANTA, GEORGIA 30339

ATTORNEY DOCKET NUMBER:	252011-6190
NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/
DATE SIGNED:	12/02/2016

Total Attachments: 2 source=00406858#page1.tif

source=00406858#page2.tif

PATENT REEL: 040493 FRAME: 0300 504120189

ASSIGNMENT

WHEREAS, Chiu-Hua CHUNG, Kai-Di CHUANG, Kang-Tai PENG, and Tien-Chung LEE 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 ALIGNING PROBE CARD IN SEMICONDUCTOR DEVICE TESTING

Filed: 2016-11-17 Serial No. 15/355,446
Executed on:_____

WHEREAS. <u>Taiwan Semiconductor Manufacturing Co., Ltd.</u> of <u>No. 8. Li-Hsin Rd. 6. Hsinchu Science Park, Hsinchu 300-78, Taiwan R.O.C.</u>, 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.

P20160772US00/0503-B31525-US

Page 1 of 2

PATENT REEL: 040493 FRAME: 0301

ASSIGNMENT

2016,11,21	_ Kai-Di C	huang
Date	Name: Kai-Di CHUANG	(Las(name: CHUANG)
•		
2016, 11, 21	Tien-chuna 1	00
Date	Name: Tien-Chung LE	(Last name: LEE)
, ,		
2016/11/2/	Chru-Hua CHUNG	7
Date	Name: Chiu-Hua CHUNG	(Last name: CHUNG)
7016/11/M	Kang-Tai Peng Name: Kang-Tai PENG	
Date	Name: Kang-Tai PE G	(Last name: PENG)

P20160772US00/0503-B31525-US

RECORDED: 12/02/2016

Page 2 of 2

PATENT REEL: 040493 FRAME: 0302