

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6370999

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHUN-LIN LOUIS CHANG	12/08/2017
SHANG-CHIEH CHIEN	12/08/2017
SHANG-YING WU	12/08/2017
LI-KAI CHENG	12/14/2017
TZUNG-CHI FU	12/08/2017
BO-TSUN LIU	12/08/2017
LI-JUI CHEN	12/08/2017
PO-CHUNG CHENG	12/12/2017
ANTHONY YEN	12/08/2017
CHIA-CHEN CHEN	12/08/2017

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
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Internal Address:	HSINCHU SCIENCE PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300-78

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16933067

CORRESPONDENCE DATA

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PATENT

ATTORNEY DOCKET NUMBER:	20161275 / 24061.3532US03
NAME OF SUBMITTER:	JANIE MARTINEZ-HOLM
SIGNATURE:	/Janie Martinez-Holm/
DATE SIGNED:	10/27/2020
Total Attachments: 4 source=24061.3532US03 - Assignment (Parent)#page1.tif source=24061.3532US03 - Assignment (Parent)#page2.tif source=24061.3532US03 - Assignment (Parent)#page3.tif source=24061.3532US03 - Assignment (Parent)#page4.tif	

Docket No.: 20161275 / 24061.3532US01
Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

- | | | | |
|------|----------------------|----|----------------------------------|
| (1) | Chun-Lin Louis Chang | of | Hsinchu County, Taiwan (R.O.C.) |
| (2) | Shang-Chieh Chien | of | New Taipei City, Taiwan (R.O.C.) |
| (3) | Shang-Ying Wu | of | Hsinchu County, Taiwan (R.O.C.) |
| (4) | Li-Kai Cheng | of | New Taipei City, Taiwan (R.O.C.) |
| (5) | Tzung-Chi Fu | of | Miaoli County, Taiwan (R.O.C.) |
| (6) | Bo-Tsun Liu | of | Taipei City, Taiwan (R.O.C.) |
| (7) | Li-Jui Chen | of | Hsinchu City, Taiwan (R.O.C.) |
| (8) | Po-Chung Cheng | of | Chiayi County, Taiwan (R.O.C.) |
| (9) | Anthony Yen | of | Hsinchu, Taiwan (R.O.C.) |
| (10) | Chia-Chen Chen | of | Hsinchu City, Taiwan (R.O.C.) |

have invented certain improvements in

EUV VESSEL INSPECTION METHOD AND RELATED SYSTEM

for which we have executed an application for Letters Patent of the United States of America,

 X of even date filed herewith; and
 filed on and assigned application number ; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, **Taiwan Semiconductor Manufacturing Co., Ltd., ("TSMC"), 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78, Republic of China**, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals,

Docket No.: 20161275 / 24061.3532US01
Customer No.: 42717

and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor Name: Chun-Lin Louis Chang

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Dated: 2017/12/18


Inventor Signature

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Dated: 2017/12/18


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Docket No.: 20161275 / 24061.3532US01
Customer No.: 42717

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2017.12.14

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Dated: 2017/12/08

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Docket No.: 20161275 / 24061.3532US01

Customer No.: 42717

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Dated: 12/8/2017

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Inventor Signature

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Dated: 12/8/2017

Chia-Chen Chen
Inventor Signature