

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5926266

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MING-CHE CHEN	12/16/2019
WEN-TANE LIAO	12/16/2019
MING-HSIEN LIN	01/09/2020
WEI-CHEN LIAO	12/16/2019
HAI-LIN LEE	12/16/2019
CHUN-YU CHEN	12/16/2019
RECEIVING PARTY DATA	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
Street Address:	NO.8, LI-HSIN RD.6, SCIENCE-BASED INDUSTRIAL PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16749286
CORRESPONDENCE DATA	
Fax Number:	(703)205-8050
<i>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.</i>	
Phone:	7032058000
Email:	christopher.smith@bskb.com, mailroom@bskb.com
Correspondent Name:	BIRCH STEWART KOLASCH & BIRCH LLP
Address Line 1:	8110 GATEHOUSE ROAD, SUITE 100E
Address Line 4:	FALLS CHURCH, VIRGINIA 22042
ATTORNEY DOCKET NUMBER:	2519-0507PUS2
NAME OF SUBMITTER:	CHRISTOPHER SMITH
SIGNATURE:	/Christopher Smith/
DATE SIGNED:	01/22/2020
Total Attachments: 3	

source=2020-01-22_AssignmentasFiled_2519-0507PUS2#page1.tif

source=2020-01-22_AssignmentasFiled_2519-0507PUS2#page2.tif

source=2020-01-22_AssignmentasFiled_2519-0507PUS2#page3.tif

TL 2
17

NP-25945-US/P20192047US00

Inventor(s)-to-Assignee

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) _____
SEMICONDUCTOR FABRICATION TOOL HAVING GAS MANIFOLD ASSEMBLED
BY JIG

The PATENT RIGHTS referred to in this agreement are:

(check one) ☒ a patent application for this invention, executed by the ASSIGNOR(S)
concurrently with this assignment.

☐ U.S. patent application Serial No. _____, filed _____

☐ a U.S. patent application based on PCT International Application

No. _____ filed on (date) _____ (U.S. patent application
Serial No. _____, if known).

☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of
the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

☒ U.S. patent rights only.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures
appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

(Address) NO.8, LI-HSIN RD.6, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU,
TAIWAN 300, R.O.C.

The ASSIGNEE is:

(check one) ☐ An individual.

☐ A Partnership.

☒ A Corporation of TAIWAN, R.O.C. (specify state or country)

☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and
valuable consideration, receipt of which is acknowledged, hereby assign(s) the following
rights to the ASSIGNEE, its successors and assigns:
the full and exclusive right to the invention;
the entire right, title and interest in and to the PATENT RIGHTS;
the right to sue and recover for any past infringement; and
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable
provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
 ASSIGNEE: TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
 INVENTION TITLE: SEMICONDUCTOR FABRICATION TOOL HAVING GAS
 MANIFOLD ASSEMBLED BY JIG

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Ming-Che CHEN

Name of sole or first inventor

Ming-Che Chen
 Signature

2019 / 12 / 16
 Date

Wen-Tane LIAO

Name of second inventor, if any

Wen-Tane LIAO
 Signature

2019 / 12 / 16
 Date

Ming-Hsien LIN

Name of third inventor, if any

 Signature

 Date

Wei-Chen LIAO

Name of fourth inventor, if any

Wei-Chen LIAO
 Signature

2019 / 12 / 16
 Date

Hai-Lin LEE

Name of fifth inventor, if any

Hai-Lin LEE
 Signature

2019 / 12 / 16
 Date

Chun-Yu CHEN

Name of sixth inventor, if any

Chun-Yu Chen
 Signature

2019 / 12 / 16
 Date

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
 ASSIGNEE: TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
 INVENTION TITLE: SEMICONDUCTOR FABRICATION TOOL HAVING GAS
 MANIFOLD ASSEMBLED BY JIG

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

<u>Ming-Che CHEN</u>	_____	_____
Name of sole or first inventor	Signature	Date
<u>Wen-Tane LIAO</u>	_____	_____
Name of second inventor, if any	Signature	Date
<u>Ming-Hsien LIN</u>	<u>Ming-Hsien LIN</u>	<u>2020/01/09</u>
Name of third inventor, if any	Signature	Date
<u>Wei-Chen LIAO</u>	_____	_____
Name of fourth inventor, if any	Signature	Date
<u>Hai-Lin LEE</u>	_____	_____
Name of fifth inventor, if any	Signature	Date
<u>Chun-Yu CHEN</u>	_____	_____
Name of sixth inventor, if any	Signature	Date