505872880 01/21/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5919708

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIH-HSUAN TAI	01/02/2020
HAO-YI TSAI	01/02/2020
YU-CHIH HUANG	01/02/2020
CHIH-HAO CHANG	01/06/2020
CHIA-HUNG LIU	12/27/2019
BAN-LI WU	12/30/2019
YING-CHENG TSENG	12/30/2019
PO-CHUN LIN	01/02/2020

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:	16747503

CORRESPONDENCE DATA

Fax Number: (949)391-4699

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.

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ATTORNEY DOCKET NUMBER:	092230-US-PA
NAME OF SUBMITTER:	BELINDA LEE
SIGNATURE:	/Belinda Lee/

PATENT 505872880 REEL: 051561 FRAME: 0519

DATE SIGNED:	01/21/2020
Total Attachments: 4	
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PATENT REEL: 051561 FRAME: 0520

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DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

☑ Declaration Submitted With Initial Filing
OR
Declaration Submitted After Initial Filing (surcharge 37 CFR 1.16(f) required)
(Title of the Invention)
SEMICONDUCTOR PACKAGE AND FORMING METHOD THEREOF
As a below named inventor (hereinafter designated as the undersigned), I hereby
declare that:
This declaration is directed to:
∑ The attached application,
OR
United States Application Number or PCT International application number
Filed on
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ng sing a strong a transfer of the strong single strong and the strong and a strong and a strong strong at the strong and the strong at the strong and the s
The above-identified application was made or authorized to be made by me.

The undersigned hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I believe I am the original inventor or an original joint inventor of a claimed invention in

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DECLARATION AND ASSIGNMENT

FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

WHEREAS, 1. Taiwan Semiconductor Manufacturing Co., Ltd.
of No.8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78,
R.O.C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring the undersigned'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 the undersigned, the undersigned 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 rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said the undersigned 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.

The undersigned 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.

PURK RESERVED TO STAR

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DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

Signature: Oxil - Myuan Tai Date: 2020 (1/2
Legal Name of Sole or First Inventor: Chih-Hsuan Tai
Residence: Taipei City, Taiwan
Mailing Address: c/o No.8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78, R.O.C
Signature: $Hao(1, Tsa)$ Date: $Date: Date$
Legal Name of Additional Joint Inventor, if any: Hao-Yi Tsai
Residence: Hsinchu City, Taiwan
Mailing Address: c/o No.8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78, R.O.C
Signature: Yu-chih Huang Date: 2020/61/02
Legal Name of Additional Joint Inventor, if any: Yu-Chih Huang
Residence: Hsinchu, Taiwan
Mailing Address: c/o No.8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78, R.O.C
Signature: Chil-Hao Chang Date: 2020/01/06
Legal Name of Additional Joint Inventor, if any: Chih-Hao Chang Scientific Residence: Hsinchu County, Taiwan
Mailing Address: c/o No.8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78, R.O.C
Signature: Chia – Hung Liu Date: 2019/12/27
Legal Name of Additional Joint Inventor, if any: Chia-Hung Liu
Residence: Hsinchu City, Taiwan
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DECLARATION AND ASSIGNMENT

FOR UTILITY OR DESIGN PATENT APPLICATION

Signature:	Banli	Wu	Date: 32(9/12/30)
	Additional Joint Ir	nventor, if any: Ban-Li Wu	
Residence: Hsir	nchu City, Taiwar	١	
Mailing Address	: c/o No.8, Li-Hs	in Rd. 6, Hsinchu Science Park,	Hsinchu, Taiwan 300-78, R.O.C.
Signature:	Yong - Chen	g Tseng	_Date:_>019/12/30
		nventor, if any: Ying-Cheng Tse	
Residence: Tair	nan City, Taiwan		
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Signature:	Po-Chur	Lin	_Date:
		nventor, if any: Po-Chun Lin	
Residence: Hsir	nchu, Taiwan		
Mailing Address	: c/o No 8 Li-Hs	in Rd. 6. Hsinchu Science Park	Hsinchu Taiwan 300-78 R O C

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