PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TZU-CHUNG TSAI	06/28/2019
CHII-MING WU	06/28/2019
HAI-DANG TRINH	06/28/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16907714

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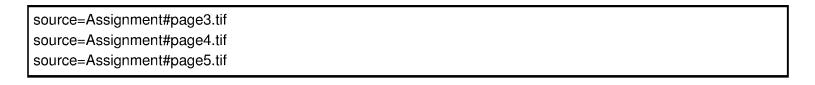
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NAME OF SUBMITTER:	ANNA E. STANTON
SIGNATURE:	/Anna E. Stanton/
DATE SIGNED:	06/22/2020

Total Attachments: 5

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TSMC Docket No. P20190451US00 Docket No. TSMCP1027US

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

<u>Assignor(s):</u> Tzu-Chung Tsai

Assignor(s): Chii-Ming Wu

Assignor(s): Hai-Dang Trình

Assignee:

Taiwan Semiconductor Manufacturing Co., Ltd. No. 8, Li-Hsin Rd. 6, Hsin-Chu Science Park Hsin-Chu, Taiwan 300-77 Republic of China

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "WIRELESS CAMERA WAFER FOR VACUUM CHAMBER DIAGNOSTICS" for which:

a non-provisional application for United States Letters Patent:

\boxtimes	was executed on even date preparatory to filing (each inventor should sign this
	Assignment on the same day as he/she signs the Declaration); or
	was filed on and accorded U.S. Serial No; or
	I hereby authorize and request my attorney associated with Customer No.
	107476, to insert on the designated lines below the filing date and application
	number of said application when known:
	U.S. Serial No.
	filed on

WHEREAS, ASSIGNEE (listed above), a corporation of the Republic of China is desirous of acquiring the entire right, title and interest in and to the invention and in and to Page 1 of 5

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TSMC Docket No. P20190451US00

Docket No. TSMCP1027US

any letters patent that may be granted therefore in the United States and in any and all

foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of

which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto

ASSIGNEE its successors and assigns, the entire right, title and interest in and to said

invention and improvements, said application and any and all letters patent which may be

granted for said invention in the United States of America and its territorial possessions and

in any and all foreign countries, and in any and all divisions, reissues, re-examinations and

continuations thereof, including the right to file foreign applications directly in the name of

ASSIGNEE and to claim priority rights deriving from said United States application to which

said foreign applications are entitled by virtue of international convention, treaty or otherwise,

said invention, application and all letters patent on said invention to be held and enjoyed by

ASSIGNEE and its successors and assigns for their use and benefit and of their successors

and assigns as fully and entirely as the same would have been held and enjoyed by

ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S)

hereby authorize and request the Commissioner of Patents and Trademarks to issue all

letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all

instruments and documents required for the making and prosecution of applications for

United States and foreign letters patent on said invention, for litigation regarding said letters

patent, or for the purpose of protecting title to said invention or letters patent therefore.

Page 2 of 5

TSMC Docket No. P20190451US00 Docket No. TSMCP1027US

Date

Name 1st Inventor Tzu-Chung Tsa

TSMC Docket No. P20190451US00 Docket No. TSMCP1027US

Date

Name 2nd Inventor Chii-Ming(V/

TSMC Docket No. P20190451US00 Docket No. TSMCP1027US

Jhn. 28 /2019 Date

Name 3rd Inventor Hai-Dang Trinh

Page 5 of 5