503746104 03/21/2016

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3792749

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
YU-LIANG LIN	07/19/2010		
WENG-JIN WU	07/20/2010		
JING-CHENG LIN	07/20/2010		

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15075729

CORRESPONDENCE DATA

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Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: T5057-R281A NAME OF SUBMITTER: RANDY A. NORANBROCK **SIGNATURE:** /Randy A. Noranbrock/ **DATE SIGNED:** 03/21/2016

Total Attachments: 1

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PATENT REEL: 038050 FRAME: 0067 503746104

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- 1) Yu-Liang LIN
- 2) Weng-Jin WU
- Jing-Cheng LIN

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD. having a place of business at No.

8, Li-Hsin Rd. VI, Hsinchu Science Park, Hsinchu 300, Taiwan R.O.C.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

SUBSTRATE BONDING SYSTEM AND METHOD OF MODIFYING THE SAME

(a)	for which an application for United States Letters Patent was filed on States Patent Application No. $\frac{12/844}{113}$; or	7-27-10	and	identified	by	United

for which an application for United States Letters Patent was executed on _______, (b)

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) /w - Liang LIN

Name: Yu-Liang LIN

2) // Weng - Jin Wu
Name: Weng Uin WU

3) // Ame Uing-Cheng LIN

7/19/2012Date: 2010/09/20

PATENT REEL: 038050 FRAME: 0068

RECORDED: 03/21/2016