# PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3521562

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
CHUN-WEN CHENG	12/10/2013
JUNG-HUEI PENG	12/10/2013
SHANG-YING TSAI	12/10/2013
HUNG-CHIA TSAI	12/10/2013
YI-CHUAN TENG	12/10/2013

### **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:	14851086

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	T5057-989A
NAME OF SUBMITTER:	RANDY A. NORANBROCK
SIGNATURE:	/Randy A. Noranbrock/
DATE SIGNED:	09/11/2015

**Total Attachments: 1** 

**PATENT** REEL: 036539 FRAME: 0137

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PATENT REEL: 036539 FRAME: 0138

# ASSIGNMENT

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

Chun-wen CHENG

4) Hung-Chia TSAI

Jung-Huei PENG 2)

hotwaim 2013/12/10 15:57:24

(a)

5) Yi-Chuan TENG

for which an application for United States Letters Patent was filed on December 16, 2013, and identified by

Shang-Ying TSAI

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

# SEMICONDUCTOR DEVICE WITH THROUGH MOLDING VIAS

United States Patent Application No. 14/107,034

(b)	for which an application for United States Letters Patent	was executed on,	
all Unit continua Property	ed States Letters Patent which may be granted therefore a ations-in-part thereof, and the right to all benefits under	rates Commissioner of Patents and Trademarks to issue any and any and all extensions, divisions, reissues, continuation or the International Convention for the Protection of Industs successors, assigns and legal representatives; the undersign act on behalf of said ASSIGNEE;	ıs, or strial
ASSIGN applicat ASSIGN	ion for and obtaining original, divisional, reissued or exten NEE, its successors, assigns and legal representatives, and ions for patent based thereon, growing out of or related	te interest, and to render all necessary assistance in manded Letters Patent of the United States, upon request of the without further remuneration, in and to any improvements, to the said invention; and to execute any papers by the med essential to ASSIGNEE's full protection and title in an	said and; said
•	On the date indicated aside my signature:  Clum - Wen Chung: Chun-wen CHENG	≥ 0 (3 , 1 ½ , (0	
2) Name	Jung-Murer Peng Frang-Hird PENG Sheng Ying TSAI	Date:	
4) Name	Hong-Chia Tai  Hung-Chia Tsal  H-Maar Yong  Yi-Chuan TENG	Date:  2613, /2.10  Date:	
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**PATENT** REEL: 036539 FRAME: 0139

Docket No. T5057-989 TSMC2013-1637

RECORDED: 09/11/2015