

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARK VAN DAL	03/18/2015
GEORGIOS VELLIANITIS	03/18/2015
MATTHIAS PASSLACK	03/18/2015
MARTIN CHRISTOPHER HOLLAND	03/18/2015
RECEIVING PARTY DATA	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
Street Address:	NO. 8, LI-HSIN ROAD 6,
Internal Address:	SCIENCE-BASED INDUSTRIAL PARK
City:	HSIN-CHU
State/Country:	TAIWAN
Postal Code:	300-77
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14659060
CORRESPONDENCE DATA	
Fax Number:	(214)651-5940
<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:	214-651-5000
Email:	ipdocketing@haynesboone.com
Correspondent Name:	HAYNES AND BOONE, LLP IP SECTION
Address Line 1:	2323 VICTORY AVENUE
Address Line 2:	SUITE 700
Address Line 4:	DALLAS, TEXAS 75219
ATTORNEY DOCKET NUMBER:	24061.3087US01
NAME OF SUBMITTER:	LADONNA JOHNSON
SIGNATURE:	/LaDonna Johnson/
DATE SIGNED:	10/01/2015
Total Attachments: 2	

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ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|----------------------------|----|-----------------|
| (1) | Mark van Dal | of | Belgium, Taiwan |
| (2) | Georgios Vellianitis | of | Belgium, Taiwan |
| (3) | Matthias Passlack | of | Belgium, Taiwan |
| (4) | Martin Christopher Holland | of | Belgium, Taiwan |

have invented certain improvements in

**A METHOD OF REMOVING THREADING DISLOCATION DEFECT
FROM A FIN FEATURE OF III-V GROUP SEMICONDUCTOR MATERIAL**

for which we have executed an application for Letters Patent of the United States of America,

_____ of even date filed herewith; and
 X filed on March 16, 2015 and assigned application number 14,659,060; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China. is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue

Docket No.: P20141308US00/24061.3087US01


Customer No.: 000042717

applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor Name: Mark van Dal

Mailing Address: Nachtegalenstraat 52
3210 Linden, Belgium

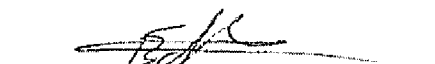
Dated: 18-Mar-2015


Inventor Signature

Inventor Name: Georgios Vellianitis

Mailing Address: Burgermeester Jozef Eerdekenstraat 18
3001 Heverlee, Belgium

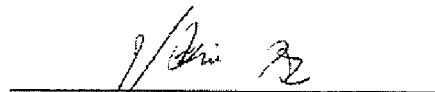
Dated: 18/03/2015


Inventor Signature

Inventor Name: Matthias Passlack

Mailing Address: Kleinwaversstraat 14
3040 Huldenberg, Belgium

Dated: March 18, 2015


Inventor Signature

Inventor Name: Martin Christopher Holland

Mailing Address: 4A East Savil Road
EH165ND Edinburgh, Scotland

Dated: 18-3-2015


Inventor Signature