## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Chun-Chieh Chuang	05/28/2010
Dun-Nian Yaung	05/28/2010
Jen-Cheng Liu	05/28/2010
Keng-Yu Chou	05/28/2010
Wen-De Wang	05/28/2010
Pao-Tung Chen	05/28/2010

## **RECEIVING PARTY DATA**

Name:	「aiwan Semiconductor Manufacturing Company, Ltd.	
Street Address:	o. 8, Li-Hsin Road 6	
City:	Hsin-Chu	
State/Country:	TAIWAN	
Postal Code:	300-77	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12794101

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 24061.1460

**PATENT** 

**REEL: 024487 FRAME: 0480** 

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NAME OF SUBMITTER:	Eric Q. Li
Total Attachments: 3 source=1460_Assignment#page1.tif source=1460_Assignment#page2.tif source=1460_Assignment#page3.tif	

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Docket No.: 2010-0154 / 24061.1460

Customer No.: 42717

#### ASSIGNMENT

WHEREAS,	we,
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(1)	Chun-Chieh Chuang	of	No. 61, Meinan Street Tainan City, Taiwan, R.O.C.
(2)	Dun-Nian Yaung	of	4F, No. 15, Lane 130, Wansheng Street, Wunshan District Taipei City 116, Taiwan, R.O.C.
(3)	Jen-Cheng Liu	of	5F, #219, Guan-Dong Road Hsin-Chu City, Taiwan, R.O.C.
(4)	Keng-Yu Chou	of	No. 329, Liaoning 1st Street, Sanmin District Kaohsiung City 807, Taiwan, R.O.C.
(5)	Wen-De Wang	of	No. 17, Jhonghe Village Minsyong Village, Chiayi County 621, Taiwan, R.O.C.
(6)	Pao-Tung Chen	of	No. 10-11, Pei-Shi Li, Ma-Do Jen Tainan Hsien, Taiwan, R.O.C.

have invented certain improvements in

## RIDGE STRUCTURE FOR BACK SIDE ILLUMINATED IMAGE SENSOR

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

_X	of even date filed herewith; and		
	filed on June 4,	2010 and assigned application number 12/794,101	; 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

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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 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:	Chun-Chieh Chuang		
Residence Address:	No. 61, Meinan Street Tainan City, Taiwan, R.O.C.		
Dated: 20/0	-8	Clun - Chiek Chuang Inventor Signature	
Inventor Name:	Dun-Nian Yaung		/
Residence Address:	4F, No. 15, Lane 130, Wanshe Taipei City 116, Taiwan, R.O.		
Dated: >0/0 , 5	5/8	The Yor Jang Inventor Signature	
Inventor Name:	Jen-Cheng Liu	·	
Residence Address:	5F, #219, Guan-Dong Road Hsin-Chu City, Taiwan, R.O.C	2.	
Dated: 26/0,	5/28_	Jen - Cheny Lin Inventor Signature	
	<u> </u>		

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Dated: 2010 . 5/28

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Dated: 20/0, 5/28

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Pao-Tung Chen

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Dated:

RECORDED: 06/04/2010

2010, 5/2g

Pao-Tung Chen Inventor Signature

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