

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chien-Hua HUANG</td> <td>06/22/2012</td> </tr> <tr> <td>Chung-Ju LEE</td> <td>06/22/2012</td> </tr> <tr> <td>Tsung-Min HUA</td> <td>06/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chien-Hua HUANG	06/22/2012	Chung-Ju LEE	06/22/2012	Tsung-Min HUA	06/22/2012
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Chien-Hua HUANG	06/22/2012								
Chung-Ju LEE	06/22/2012								
Tsung-Min HUA	06/22/2012								
RECEIVING PARTY DATA									
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.								
Street Address:	No. 8, Li-Hsin Rd. VI								
Internal Address:	Hsinchu Science Park								
City:	Hsinchu								
State/Country:	TAIWAN								
Postal Code:	300-78								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13553535</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13553535				
Property Type	Number								
Application Number:	13553535								
CORRESPONDENCE DATA									
Fax Number:	(949)851-9348								
Phone:	949.851.0633								
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Mark J. Itri								
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ATTORNEY DOCKET NUMBER:	091393-0011								
NAME OF SUBMITTER:	Mark J. Itri, Reg. No. 36,171								
Total Attachments: 1 source=091393-0011_Assignment#page1.tif									

CH \$40.00 13553535

## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Chien-Hua Huang; Chung-Ju Lee; Tsung-Min Huang

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) Taiwan Semiconductor Manufacturing Company, Ltd. having a place of business at

(3) No. 8, Li-Hsin Rd. VI, Hsinchu Science Park, Hsinchu, Taiwan 300-78, R.O.C.

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) SEMICONDUCTOR DEVICE AND FABRICATING PROCESS FOR THE SAME

which application was:

(a) executed by the undersigned on (5a) June 22, 2012

(b) filed on (5b) \_\_\_\_\_

And assigned Serial No. \_\_\_\_\_

including any and all United States letters Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

DATE:

INVENTOR(S)

June 22, 2012

Chien-Hua Huang

Chien-Hua Huang

June 22, 2012

Chung-Ju Lee

Chung-Ju Lee

June 22, 2012

Tsung-Min Huang

Tsung-Min Huang

WITNESSES:

Hsin-Chieh Yao

Cheng-Hsiung Tsai