

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Eric Peng	09/01/2009
Chao-Cheng Chen	09/01/2009
Ming-Hua Yu	09/01/2009
Ying Hao Hsieh	09/01/2009
Tze-Liang Lee	09/01/2009
Chii-Horng Li	09/15/2009
Syun-Ming Jang	09/15/2009
Shih-Hao Lo	09/03/2009

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC")
Street Address:	No. 8, Li-Hsin Rd. 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:	12841763

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2009-0067 / 24061.1473
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NAME OF SUBMITTER:	Bart A. Fisher
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Docket No.: 2009-0067 / 24061.1288
Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

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|-----|-----------------|----|--|
| (1) | Eric Peng | of | 11F-2, No. 7, Ln. 120, Zihyou St., Jhudong Township
Hsinchu County 310, Taiwan, R.O.C. |
| (2) | Chao-Cheng Chen | of | #46 3F-2, Lui-Sui Rd
Shin-Chu City, Taiwan, R.O.C. |
| (3) | Ming-Hua Yu | of | No. 8, Alley 8, Lane 232, Jhongshan Rd.
Jhubei City, Hsinchu County 302, Taiwan, R.O.C. |
| (4) | Ying Hao Hsieh | of | 3F., No.29, Jinshan 27th St., East Dist.
Hsinchu City 300, Taiwan, R.O.C. |
| (5) | Tze-Liang Lee | of | 4F., No. 74, Lane 250 Wu-ling Rd.
Hsinchu, Taiwan, R.O.C. |
| (6) | Chii-Horng Li | of | Wen-Tsai Street No. 137
Hsin-Chu County, Jhu-Bei City, Taiwan, R.O.C. |
| (7) | Syun-Ming Jang | of | 7F, 83 N. Kuan-Hua St
Hsinchu, Taiwan, R.O.C. |
| (8) | Shih-Hao Lo | of | 3F., No.132, Sec. 1, Fuxing E. Rd.,
Zhubei City, Hsinchu County 30264, Taiwan, R.O.C. |

have invented certain improvements in

BOTTLE-NECK RECESS IN A SEMICONDUCTOR DEVICE

for which we have executed an application for Letters Patent of the United States of America, filed on July 22, 2010 and assigned application no. 12/841,763;

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 One Dollar (\$1.00) and other 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

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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 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: Eric Peng

Residence Address: 11F-2, No. 7, Ln. 120, Zihyou St., Jhudong Township
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Dated: 09/01/2009

Eric Peng
Inventor Signature

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Dated: 09/01/2009

Chao-Cheng Chen
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Dated: 09/01/2009

YING HAO, HSIEN
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Dated: 09/01/2009

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Inventor Signature

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Dated: 09/15/2009

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Dated: 9/15/09


Inventor Signature

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Dated: 09/07/2009

Shih-Hao Lo
Inventor Signature