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06-19-2006

ER SHEET U.S. DEPARTMENT OF COMMERCE
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Y

To the Honorable Commissioner

103259875

are attached original documents or copy thereof.

1	Name of conveying party(ies): PO-JEN CHEN JEN-HSIANG LEU YAN-CHANG LIU	2	Name and address of receiving party(ies): Taiwan Semiconductor Manufacturing Co. Ltd. No. 8. Li-Hsin Rd. 6 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C.
3	Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 5-6-2004	Additional name(s) & address(es) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 9-23-04	
4 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:			
A. Patent Application No(s).		B. Patent No(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5	Name and address of party to whom correspondence concerning document should be mailed: RANDY W. TUNG Tung & Associates 838 W. Long Lake Road Suite 120 Bloomfield Hills, Michigan 48302	6	Total number of applications and patents involved: 1
		7	Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge credit card (w/filing fee)
		8	Deposit Account Number: (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE			
9 Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Randy W. Tung Name of Person Signing Registration No. 31,311 Signature 9/23/04 Date			
Total number of pages including cover sheet, attachments, and document :			

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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PATENT
REEL: 017994 FRAME: 0647

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ASSIGNMENT

WHEREAS, we, PO-JEN CHEN, JEN-HSIANG LEU, and YAN-CHANG LIU,
have invented certain improvements in:

METHOD OF FORMING IMPROVED ROUNDED CORNERS IN STI FEATURES

for which we are about to make application for Letters Patent of the United States; and

WHEREAS, TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. of
No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan, R.O.C, is desirous of
acquiring the entire right, title and interest in and to said invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and
valuable consideration, the receipt of which is hereby acknowledged, we, PO-JEN CHEN, JEN-
HSIANG LEU, and YAN-CHANG LIU, by these presents, do hereby sell, assign and transfer
unto the said corporation and its assigns, for the territory of the United States of America and all
foreign countries, the entire right, title and interest, including all priority rights under the
International Convention associated with each country of the Union, in and to said invention as
described in the patent application executed by us on the 6th day of May
2004, preparatory to obtaining Letters Patent of the United States thereon, and in and to said
application and any Letters Patent that may be granted in pursuance of said application and any
divisional, continuation or continuation-in-part application thereof, and in and to any reissue of
any such patent, and in and to any patent applications which may be filed on said invention in
countries foreign to the United States and any Letters Patent granted thereon.

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We further authorize said corporation to apply for foreign patents on said invention in its own name or through its designees, including subsidiaries, related companies or assignees, under the International Convention or otherwise, and we further agree to execute all papers, including those required for the United States and foreign applications, and to perform such other proper acts as said corporation or its designees the rights herein assigned.

Po-Jen Chen
PO-JEN CHEN

Jen-Hsiang Leu
JEN-HSIANG LEU

Yan-Chang Liu
YAN-CHANG LIU

TUNG & ASSOCIATES
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PATENT

RECORDED: 06/19/2006

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