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11-15-2004



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To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
 Name of conveying party(ies)/Execution Date(s): 	2. Name and address of receiving party(ies)
Jian-Hong LIN (10/18/2004), Ying-Jen KAO (10/18/2004), and Jye-Yen CHENG (10/18/2004)	Name: LTD.
	Internal Address:
Execution Date(s): in parentheses after inventor name	Street Address:
Additional name(s) of conveying party(ies) attached? Yes X No	
3. Nature of Conveyance:	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park
x Assignment Merger	
Security Agreement Change of Name	City: Hsin-Chu
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Taiwan, Republic of China Zip: 300-77
Other	Additional name(s) & address(es) Yes X No attached:
4. Application or patent number(s):	his document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
NEW	, ·
Additional numbers attached?	Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Joe McKinney Muncy BIRCH, STEWART, KOLASCH & BIRCH, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: 0941-1065PUS1	Authorized to be charged by credit card
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City: Falls Church	8. Payment Information
State: VA Zip: 22040-0747	a. Credit Card Last 4 Numbers
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9. Signature:	638
Signature	November 9, 2004 Date
) Olgypatore	Date
Ino Mokinnov Markov 22 224	Total number of pages including cover
Joe McKinney Muhcy - 32,334 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

11/10/2004 LWONDIM1 KM/kkv 00000011 10983681 04 FC:8021

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ASSIGNMENT

WHEREAS, <u>Jian-Hong</u> LIN, Ying-Jen H	KAO and Jye-Yen CHENG
hereafter referred to as ASSIGNOR, has/have invented cert	
described and set forth in the below identified application for	or United States Letters Patent:
Title: METHOD FOR DAMASCENE FORMATION USING PLUG	MATERIALS HAVING
VARIED ETCHING RATES	
Filed: <u>11/09/2004</u> Serial No.	NEW
Executed on: October 18, 2004	
WHIEDEAC This is a second of the Market of t	
WHEREAS, Taiwan Semiconductor Manu	ifacturing Co., Ltd. of
No. 8, Li-Hsin Rd. 6, Science-Based Inc Taiwan 300-77, R.O.C. hereinafter referred to	dustrial Park, Hsin-Chu,
and all all all all all all all all all al	o as ASSIGNEE, is desirous of
acquiring ASSIGNOR'S interest in the said invention and	application and in any U.S. Letters
Patent which may be granted on the same;	
NOW, THEREFORE, TO ALL WHOM IT MAY good and valuable consideration, receipt of which is he Assignor has/have sold, assigned and transferred, and by the transfer unto the said Assignee, and Assignee's successors title and interest in and to the said invention and application, and in and to any Letters Patent which may here. United States, the said interest to be held and enjoyed by said as it would have been held and enjoyed by said Assignor he been made, to the full end and term of any Letters Patent way division, renewal, continuation in whole or in part prolongation or extension thereof.	nereby acknowledged by Assignor, ese presents does/do sell, assign and and assigns, all his/her/their rights, eation and all future improvements after be granted on the same in the aid Assignee as fully and exclusively and this Assignment and transfer not which may be granted thereon, or of
Assignor further agrees/agree that he/she/th Assignee, but at Assignee's expense, cooperate with Asapplication and/or applications, execute, verify, acknowly papers, including applications for Letters Patent and for the assignment and transfer thereof, and will perform such or request, to obtain or maintain Letters Patent for said invertible thereto in said Assignee, or Assignee's successors and a	ssignee in the prosecution of said ledge and deliver all such further e reissue thereof, and instruments of ther acts as Assignee lawfully may ntion and improvement, and to vest assigns.
IN TESTIMONY WHEREOF, Assignor has/have s date(s) indicated.	signed his/her/their name(s) on the
	10/18/2004 Date:
	10/18/2004 Date:

Attorney Docket No. 0941-1065PUS1

Jye-Yen CHENG

TSMC2004-0796/0503-A30757US

RECORDED: 11/09/2004

PATENT REEL: 015975 FRAME: 0016