



Form 1595 1-31-92		RECOR 01-15-2004		U.S. Department of Commerce Patent and Trademark Office	
1-5-04					
To the 1		102647227		Please record the attached	
1. Name of conveying party(ies): Chia-Rung Hsu, Art Yu, Hsiao-Ling Lu, Teng-Chun Tsai		2. Name/address of receiving Party(ies): United Microelectronics Corp. No. 3, Li-Hsin Rd. II, Science-Based Industrial Park, Hsinchu, 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"/> Other <input type="checkbox"/> Change of Name <input type="checkbox"/> Reassignment					
4. Date(s) of execution: <u>December 19, 2003</u>		Add'l names of receiving parties Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Application number(s) or patent number(s): If this documents is being filed together with a new application, the execution date of the application is <u>December 19, 2003</u>					
A. Patent Application No. (s) 10752362		B. Patent No. (s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
6. Name and address of party to whom Correspondence concerning document should be mailed: J.C. Patents, Inc. 4 Venture, Suite 250 Irvine, CA 92618 (949) 660-0761		7. Total No. of applications and patents involved: ONE(1)			
		8. Total fee (37 CFR §3.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge to Acct. No. _____			
		9. Total number of pages, including Cover sheet, attachments and document 3.			
DO NOT USE THIS SPACE					
10. 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. <u> Jiawei Huang </u> Name of Person Signing Signature Date <u>1/15/2003</u>					

Registration No. 43,330

01/14/2004 ECDOPER 00000080 10752362

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ASSIGNMENT

WHEREAS,

- | | |
|------------------|-------------------|
| 1. Chia-Rung Hsu | 2. Art Yu |
| 3. Hsiao-Ling Lu | 4. Teng-Chun Tsai |

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **CHEMICAL MECHANICAL POLISHING PROCESS FOR FORMING
SHALLOW TRENCH ISOLATION STRUCTURE**

[] Filed: Serial No.

[x] Executed concurrently with the execution of this instrument

WHEREAS, United Microelectronics Corp.
of No. 3, Li-Hsin Rd. II, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.

hereinafter referred to 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 CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.


Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: *Chia-Rung Hsu*
Sole or First Joint Inventor: Chia-Rung Hsu

Date: December 19, 2003

Signature: *Art - Yu* 
Second Joint Inventor (if any): Art Yu

Date: December 19, 2003

Signature: *Hsiao-Ling Lu*
Third Joint Inventor (if any): Hsiao-Ling Lu

Date: December 19, 2003

Signature: *Teng-Chun Tsai*
Fourth Joint Inventor (if any): Teng-Chun Tsai

Date: December 19, 2003