## 12-18-2003

Form <b>PTO-1595</b> (Rev. 10/02)  OMB No. 0651-0027 (exp. 6/30/2005)  Tab settings ⇒ ⇒ ▼ 1 0262	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):  Birgie Kuo  / 2-16-03	Name and address of receiving party(ies)     Name: Taiwan Semiconductor Manufacturing Company, Ltd.  Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance:	
✓ Assignment	Street Address: No. 8, Li-Hsin Rd. 6, Science-Based  Industrial Park, Hsin-Chu, Taiwan, 300-77, Republic of China
] _	City:State:Zip:
Execution Date: 10/06/2003	Additional name(s) & address(es) attached? ☐ Yes ✓ No
A. Patent Application No.(s) 10/625432  Additional numbers a	B. Patent No.(s)
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:
Name: David M. O'Dell Internal Address: Haynes and Boone, LLP	7. Total fee (37 CFR 3.41)\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Street Address: 901 Main Street, Suite 3100	
City: <u>Dallas</u> State: <u>TX</u> Zip: <u>75202</u>	A ANCE &
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9. Signature.  1003 LHUELLER 00000127 10625432  40.00 0P  David M. O'Dell, #42 044  Name of Rerson Signing	12-11-03 Signature Date
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Cust. No. 000027683

## ASSIGNMENT

WHEREAS, I,

Birgie Kuo

of

No. 32, Lane 102, Sihwei Street Yongkang City, Taiwan County 710 Taiwan, ROC

have invented certain improvements in

## A MECHANISM FOR INTER-FAB MASK PROCESS MANAGEMENT

for which I have executed an application for Letters Patent of the United States of America, of even date herewith; and

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, I 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 abovedescribed patent application may be obtained, including the right to collect past damages; and I 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 I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to me respecting said

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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.

First Inventor Name:

Birgie Kuo

Residence Address:

Dated:	0	16	1200	}
				,

Birgie kun Inventor Signature

Dated:\_\_\_\_\_

Witness Signature
Witness Name:

R51534

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PATENT REEL: 014791 FRAME: 0027