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1. Name of conveying party(ies		record the attached original documents or copy thereof.
YING-LANG WANG, SHIH-CHENG, CHI-WEN LIU, MI WEN-KUNG CHENG, JIAN additional name(s) or conveying party 3. Nature of conveyance X Assignment Security Agreement other	CHI LIN, YI-LUNG NG-HUA YOO, N-KWANG WANG	2. Name and address of receiving party(ies): Name: Taiwan Semiconductor Manufacturing Company Internal Address: Street Address: 121 Park Ave. 3 Science-Based Industrial Park City: Hsin-Chu Zip: Country: Taiwan, R.O.C.
F D . 4417104		
4. Application number(s) or part If this document is being file A. Patent Application No(s)	d together with a new application	Additional name(s) & address(es) attached? Yes x No n, the execution date of the application is: 11/7/01 B. Patent No.(s)
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For X U.S. and/or X Foreign Rights
For X Application or U.S. Patent
By X Inventor(s) or Present Owner
ASSIGNMENT OF INVENTION
In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,
ASSIGNOR:
YING-LANG WANG Type or print name of ASSIGNOR Ying - Lang, wang Address No. 37-10, Lung-Pr Road Tien - Chung How Taiwn Village, Lung-Ching County, Tai-chung County Taiwn Nationality Nationality Nationality SHH-CHI LIN Type or print name of ASSIGNOR Ship - Chi Lin Address Address Address Nationality Nationality Nationality
YI-LUNG CHENG Type or print name of ASSIGNOR CHI-WEN LIU Type or print name of ASSIGNOR
Address 911 No. 25 Lane 42 Danhui Rd, No. 561, 3F, Nan- Va Road
Danshuer In Jarper, Tamen 251, ROC - Hisinchu, Taiwan Nationality
ASSIGNEE:
Taiwan Semiconductor Manufacturing Co. Ltd. 121 Park Ave. 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C. Taiwan, R.O.C. Nationality
and the successors, assigns and legal representatives of the ASSIGNEE
(complete one of the following)
x the entire right, title and interest
an undivided percent (%) interest for the United States and its territorial possession (check the following box/f foreign rights are also to be assigned) x and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

Improved CMP Process Leaving No Residual Oxide Layer Or Slurry Particles

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	For X Application or U.S. Patent
	By x Inventor(s) or Present Owner
ASSIGNMEN	T OF INVENTION
	EE to ASSIGNOR of the sum of One Dollar (\$1.00), the d for other good and valuable consideration,
ASSIGNOR:	
	WEN-KUNG CHENG Type or print name of ASSIGNOR Wen: Kung, Cheng Address No. 716, Su:- Yuan Rd. Toufen
Tiann- Kwang WANG Type or print name of ASSIGNOR No. 49 Lane 173, Min-Shine Address	Nationality / Nigo-Li County Taiwan, R.O.C
Hsin-Chy, Taiwan R.O.C.	
Nationality	
ASSIGNEE: Taiwan Semiconductor Manufacturing C	o. l td
121 Park Ave. 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C. Taiwan, R.O.C. Nationality	o. Eta.
and the successors, assigns and legal repre	sentatives of the ASSIGNEE one of the following)
x the entire right, title and interest	
L) interest for the United States and its territorial possessions ign rights are also to be assigned)
in and to any and all improvements which are	e disclosed in the invention entitled:

Improved CMP Process Leaving No Residual Oxide Layer Or Slurry Particles

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(b)	U.S. patent application executed on	
(c)	U.S. application serial no.	filed on
(d)		issued
	(also check (e) if	foreign application(s) is also being assigned)
(e)	and any legal equivalent thereof in a fore	eign country, including the right to clam priority
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		Il testify as to the same in any interference, litigation of
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(b)	U.S. patent application executed on	
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(d)	1 1	issued
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(e)	and any legal equivalent thereof in a	foreign country, including the right to clam priority
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oe m	ASSIGNOR hereby covenants that no assigned and or entered into which would conflict wi	gnment, sale, agreement or encumbrance has been or wil ith this assignment.
nay l	be known and accessible to ASSIGNOR and seding related thereto and will promptly exe	nvention and said Letters Patent and legal equivalents as d will testify as to the same in any interference, litigation of ecute and deliver to ASSIGNEE or its legal representatives
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