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TS01-1056 To the Honorable Commissioner of	1021054	l65			oM.
1. Name of conveying party(ies):		2. Name and a	ddress of rec	uments or copy there ceiving party(ies):	eof.
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HU FU DAO HO, YING CHIH			van Semico	iductor Manufac	turing
HU, SIMON SHU, BEN LIU, J	ING LONG LIN	Company			5
05%	20/00	Internal Add	ress:		
Additional name(s) or conveying party(i	es) attached? Yes X N	.1			
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3. Nature of conveyance		121 Park A	ve. 3		
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Security Agreement	Change of Name				
other					
Execution Date: 2/5/02		Additional nan	ne(s) & addre	ss(es) attached?	Yes X
4. Application number(s) or pate	ent number(c):	No //	27/		U. A
		511	14		
If this document is being filed					<u>2</u>
A. Patent Application No(s)		<u>B.</u>	Patent No.(s)	
	Additional numbers attache	d? Yes 7	K No		
5. Name and address of party to	whom correspondence	6. Total no. of	applications	and patents involv	/ed:: <u>1</u>
concerning document should b					
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9. Statement and signature. To the best of my knowledge a	and belief the foregoing inform	ation is true and	correct and	any attached copy	is a true copy
of the original document		\sim		/	
STEPHEN B. ACI	KERMAN T	100	<u> </u>	5/20/07	
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TS01-1056	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 ASSIGNE receipt of which is hereby acknowledged, and	E to ASSIGNOR of the sum of One Dollar (\$1.00), the I for other good and valuable consideration.
ASSIGNOR:	
HUFUDAO HO Type or print name of ASSIGNOR No. 9, Lane 83. Grunflist, Address Non Chiu, Taichung, Taiwan Lo2 R.O. C. Republic of China Nationality Taiwan	YING-CHIH LIU Type or print name of ASSIGNOR 6. Crucha Rd. Hs.h-Chi Address Tairan Republic of China, Taiwan Nationality
YEONG SHIANG HU Type or print name of ASSIGNOR	SIMON SHU Type or print name of ASSIGNOR
7FL, NO.3, Lane 900, Sec. 4, Jungshing	No. 80 Shinmin Rd. Judung
Rd., Judung Jen, Hsinchu,	Jen, Hsinchu, Taiwan 310
Taiwan 310, R.O.C. Republic of Nationality China	R.O.C., Republic of China, Taiwan
ASSIGNEE: Tal was	
Taiwan Semiconductor Manufacturing Co 121 Park Ave. 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C. Taiwan, R.O.C.	. Ltd.
and the successors, assigns and legal representations (complete)	entatives of the ASSIGNEE one of the following)
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an undivided percent (%) (check the following box/f foreign	interest for the United States and its territorial possessions n 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:

A Self-Cleaning Slurry Arm On A CMP Tool

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1001 (800)	For X Application or U.S. Patent
	By X Inventor(s) or Present Owner
ASSIGN	NMENT OF INVENTION
In consideration of the payment by AS receipt of which is hereby acknowledg	SIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the jed, and for other good and valuable consideration,
ASSIGNOR:	
BEN LIU Type or print name of ASSIGNOR Nt. 16 Address Shinyist, Shinpu Ten, k	JING LONG LIN Type or print name of ASSIGNOR No 18, June South Five, Hungyi Address Address
Vairvar R.C.C. Republi Nationality (Mile	na Nationality Nationality
ASSIGNEE:	
Taiwan Semiconductor Manufactur 121 Park Ave. 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C. Taiwan, R.O.C. Nationality	ring Co. Ltd.
and the successors, assigns and legal	representatives of the ASSIGNEE nplete one of the following)
x the entire right, title and interes	<u>.</u>
an undivided percent (%) interest for the United States and its territorial possessions foreign rights are also to be assigned)
n and to any and all improvements whi	ich are disclosed in the invention entitled:

A Self-Cleaning Slurry Arm On A CMP Tool

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b) U.S. patent appli	eation executed on
	
	erial no filed on
d) U.S. patent no	(also check (e) if foreign application(s) is also being assigned)
e) and any legal eq	ivalent thereof in a foreign country, including the right to clam priority
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	Patent to be obtained for said invention by the above application or an al, or substitute, thereof, and as to letters patent any re-issue or re-examination
	enants that no assignment, sale, agreement or encumbrance has been or wi ch would conflict with this assignment.
pertinent facts and docume may be known and accessib proceeding related thereto a any and all papers, instrume	evenants that ASSIGNEE will, upon its request, be provided promptly with a nts relating to said invention and said Letters Patent and legal equivalents a e to ASSIGNOR and will testify as to the same in any interference, litigation of and will promptly execute and deliver to ASSIGNEE or its legal representative ints or affidavits required to apply for, obtain, maintain, issue and enforce said and said Letters Patent and said equivalents thereof which may be necessary purposes thereof.
IN WITNESS WHEREOF, I	(Date of signing)
	We have signed this A 5 0 2 (Date of signing) It be the same as the date of execution of the application if item (a) was checked above. Signature of Assignation Signature of Assignation Signature of Assignation Jeony Shang Hu Signature of Assignation Jumps Au
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(b) U.S. patent application ex	xecuted on even date herewith xecuted on
	filed on
(d) U.S. patent no.	issued
(*	also check (e) if foreign application(s) is also being assigned
(e) and any legal equivalent i	hereof in a foreign country, including the right to clam priority
and, in and to, all Letters Patent to continuation, division, renewal, or subthereof.	to be obtained for said invention by the above application or any stitute, thereof, and as to letters patent any re-issue or re-examination
ASSIGNOR hereby covenants to be made or entered into which would	nat no assignment, sale, agreement or encumbrance has been or will I conflict with this assignment.
pertinent facts and documents relation may be known and accessible to ASSI proceeding related thereto and will pro any and all papers, instruments or affi	that ASSIGNEE will, upon its request, be provided promptly with all ng to said invention and said Letters Patent and legal equivalents as GNOR and will testify as to the same in any interference, litigation or omptly execute and deliver to ASSIGNEE or its legal representatives idavits required to apply for, obtain, maintain, issue and enforce said
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__Notarization of Legalization Page Added.

261). Use next page if notarization is desired.

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