To the Honorable Commissione 1. Name of conveying party(ies): DENNY DUAN-LEE TANG, WEN CHIN LIN Additional name(s) or conveying party(ies) attached? 3. Nature of conveyance X Assignment Merger Change of Name Other Execution Date: 5/6/03 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution d. Patent Application No(s) Additional numbers attached? Additional numbers attached? Yes X Science-Base City: Hsin-Country: T: Additional number(s): If this document is being filed together with a new application, the execution d. Patent Application No(s) Additional numbers attached? Yes X 5. Name and address of party to whom correspondence concerning document should be mailed: Name: GEORGE O. SAILE Internal Address: Total fee (37) Enclose X Author Street Address: 28 DAVIS AVENUE X Author 8 Deposit acco	R SHEET U.S. DEPT. OF COMMERCE Patent and Trademark
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STEPHEN B. ACKERMAN Name of Person Signing Signature	6/18/03 Date
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TS02-465	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	EE to ASSIGNOR of the sum of One Dollar (\$1.00), the d for other good and valuable consideration,			
ASSIGNOR:				
DENNY DUAN-LEE TANG Type or print name of ASSIGNOR	Type or print name of ASSIGNOR			
20407 Cunningham Pl Address	Address Address			
Saratoga, CA 95070				
US A Nationality	Nationality Regulation of China, Tarwan			
ASSIGNEE: Taiwan Semiconductor Manufacturing Co No. 6, Li-Hsin Rd. 6 Science-Based Industrial Park Hsin-Chu, Taiwan, 300-77 R.O.C. Taiwan, R.O.C.	o. Ltd.			
and the successors, assigns and legal repres				
	one of the following)			
	interest for the United States and its territorial possessions gn rights are also to be assigned)			
n and to any and all improvements which are	e disclosed in the invention entitled:			

Magnetic Ram Cell Device And Array Architecture

PATENT REEL: 014206 FRAME: 0011

(b)	U.S. patent application executed on	· · · · · · · · · · · · · · · · · · ·
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	ASSIGNOR hereby covenants that no assignride or entered into which would conflict with	ment, sale, agreement or encumbrance has been or will this assignment.
pertine may be or proc	ent facts and documents relating to said invention in the said invention and accessible to ASSIGNOR and seeding related thereto and will promptly exections.	EE will, upon its request, be provided promptly with all ention and said Letters Patent and legal equivalents as will testify as to the same in any interference, litigation cute and deliver to ASSIGNEE or its legal representatives
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__Notarization of Legalization Page Added.