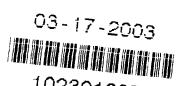
ASSIGNMENT P



HEET Patents Only

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To the Honorable Commun. 102391285 Please record the attached original documents or copy thereof.	Date: February 28, 2005 SA Attorney Docket No. 564 A 063
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Seong-Jin Jang 2-28-3	Samsung Electronics Co., Ltd. 416 Maetan-dong, Paldal-gu Suwon-City, Kyungki-do REPUBLIC OF KOREA
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance: _X Assignment Merger Security Agreement Change of Name Other Execution Date: February 26, 2003	Additional name(s) & address(es) attached? Yes No
4. Application Serial NoPatent No	
 5. Name and address of party to whom correspondence concerning document should be mailed: D. Scott Moore Myers Bigel Sibley & Sajovec P. O. Box 37428 	6. Total number of applications and patents involved:1
	7. Total fee (37 CFR 3.41) \$40.00 X Enclosed Authorized to be charged to deposit account
Raleigh NC 27627	8. Deposit account number: 50-0220
DO NOT USE THIS SPACE	
9. 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. D. Scott Moore, #42,011 Name of Person Signing Signature Signature Date Total number of pages including cover sheet, attachments and document: 3	
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ASSIGNMENT

THIS ASSIGNMENT, made by me, Seong-Jin Jang, citizen of the Republic of Korea, residing at 104-704 Kumkang Apt., 122 Imag dong, Bungdang-ya, Sungnam-city, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in MEMORY SYSTEMS AND METHODS OF OPERATING THE SAME IN WHICH AN ACTIVE TERMINATION VALUE FOR A MEMORY DEVICE IS DETERMINED AT A LOW CLOCK FREQUENCY AND COMMANDS ARE APPLIED TO THE MEMORY DEVICE AT A HIGHER CLOCK FREQUENCY for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _______, filed ______) the filing date and application number of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation having a principal place of business at 416 Maetan-dong, Paldal-gu, Suwon-City, Kyungki-do, Republic of Koroa, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged. Thave sold and by those presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

PATENT REEL: 013834 FRAME: 0894 I hereby request that said Lettors Patent be issued in accordance with this assignment.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencombered right and authority to make this assignment.

I further covenant and agree to promptly communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns; to do same, without further compensation, but at the expense of said assignee or its representatives.

Witnessed by:

RECORDED: 02/28/2003

Date:

PATENT REEL: 013834 FRAME: 0895