249/400 08-15-2003 RI HEET FORM PTO-1595 (modified) U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) Patent and Trademark Office 08306 U.S. PTO OMB No. 0651-0011 (exp. 4/94) 102555623 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents of 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): 8-6-03 Young-jin CHO, Yo-sep MIN, Young-soo PARK, Jung-hyun LEE Name: Samsung Electronics Co., Ltd. Internal Address: Additional name(s) of conveying party(ies) attached? No Street Address: 416 Maetan-dong, Paldal-gu, City: Suwon-city, Kyungki-do, REPUBLIC OF KOREA Additional name(s) & address(es) attached? No 3. Nature of conveyance: Assignment Merger Change of Name Security Agreement Other AUG Ď. Execution Date: August 5, 2003 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: August 5, 2003 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents document should be mailed: involved: One Name: Eugene M. Lee Internal Address: LEE & STERBA, P.C. Street Address: 1101 Wilson Boulevard, Suite 2000 City: Arlington, State: VA ZIP: 22209 7. Total fee (37 C.F.R. 3.41).....\$40.00 **Enclosed** X Authorized to be charged to deposit account 8. Deposit account number: 5-01645 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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.

Eugene M. Lee Richard A. Sterba Name of Person Signing Rechard & Seitz

August 6, 2003

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PATENT

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto name and Samsung Electronics Co., Ltd. 416 Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Rep. of Korea address of assignee (hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to BISMUH TITANIUM SILICON OKIDE, BISMUH TITANIUM SILICON OKIDE THIN FILM, AND METHOD FOR title of FORMING THE THIN FILM invention as set forth in his United States Patent Application check one executed concurrently herewith executed on Filed Serial No.

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of LEE & STERBA, P.C. the power to Insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS			
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NAMES AND SIGNATURES OF WITNESSES			
Name:	Signature:		Date:
Name:	Signature:		Date:

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

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