04-07-2003

HEET

Patents Only

To the Honorable Cc	

Date: March 26, 2003

102411344	Attorney Docket No. 5649-1100	
Please record the attached original documents or copy thereof.	•	
1. Name of conveying party(ies):  Jin-seok Kwak Seong-jin Jang	2. Name and address of receiving party(ies):  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: March 21, 2003	Additional name(s) & address(cs) attached? Yes No	
4. Application Serial NoPatent No  If this document is being filed together with a new application, this: March 21, 2003  Additional numbers attached?YesNo	ne execution date of the application	
<ul> <li>5. Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Grant J. Scott, Esq.</li> <li>Myers Bigel Sibley &amp; Sajovec</li> <li>P. O. Box 37428</li> <li>Raleigh NC 27627</li> </ul>	6. Total number of applications and patents involved:1  7. Total fee (37 CFR 3.41)  \$\frac{\$40.00}{X}\$ Enclosed Authorized to be charged to deposit account  8. Deposit account number: 500220	
DO NOT USE THIS SPACE		
9. Statement and signature  To the best of my knowledge and belief, the foregoing information of the original document.  Grant J. Scott #36,925  Name of Person Signing  Total number of pages including cover sheet attachments and documents.	March 26, 2003 Date	

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**PATENT REEL: 013912 FRAME: 0887** 

## ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jin-seok Kwak**, citizen of the Republic of Korea, residing at 915-505, Jugong Apt., Byukjeokgol, 970-3, Youngtong-dong, Paldal-gu, Suwoncity, Kyungki-do, Republic of Korea; and **Seong-jin Jang**, citizen of the Republic of Korea, residing at 104-704, Keumgang Apt., 122, Imae-dong, Bundang-gu, Sungnam-city, Kyungki-do, Republic of Korea;

WITNESSETH: That,

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 Korea, 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, we have sold and by these 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 thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, 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 us if this assignment and sale had not been made.

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We hereby request that said Letters Patent be issued in accordance with this assignment.

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

We further covenant and agree to bind our heirs, legal representatives and assigns. promptly to communicate to said assignee or its representatives any facts known to us 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.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 2/14 day of Mak, , 2003.

Jin-seok Kwak

Sevy Jin Jang

Seong-jin Jang

Witnessed by:		
Date:		
Date:	- A - A - A - A - A - A - A - A - A - A	

RECORDED: 03/26/2003