

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Bong Jin Kuh	05/03/2007
Yong Ho Ha	05/03/2007
Doo Hwan Park	05/03/2007
Jeong Hee Park	05/03/2007
Han Bong Ko	05/03/2007
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	416 Maetan-dong, Yeongtong-gu
Internal Address:	Suwon-si
City:	Gyeonggi-do
State/Country:	KOREA, REPUBLIC OF
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11747395
CORRESPONDENCE DATA	
Fax Number:	(919)854-1401
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	919-854-1400
Email:	criggs@myersbigel.com
Correspondent Name:	Myers Bigel Sibley & Sajovec PA
Address Line 1:	4140 Parklake Avenue
Address Line 2:	Suite 600
Address Line 4:	Raleigh, NORTH CAROLINA 27612
ATTORNEY DOCKET NUMBER:	5649-1938
NAME OF SUBMITTER:	Candi L. Riggs

CH \$40.00 11747395

500275302

PATENT
REEL: 019281 FRAME: 0570

Total Attachments: 6

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

source=Assignment#page6.tif

Attorney Docket 5649-1938

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Bong-Jin Kuh**, citizen of the Republic of Korea, residing at 234-1502, Hwanggol Maeul 2-danji Poonglim Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Yong-Ho Ha** citizen of the Republic of Korea, residing at 104-1408 Gisan Best Vill, 100-1, Yu-ri, Bongdam-eup, Hwaseong-si, Gyeonggi-do, Republic of Korea; **Doo-Hwan Park**, citizen of the Republic of Korea, residing at 201, 978-10, Daechi-dong, Gangnam-gu, Seoul, Republic of Korea; **Jeong-hee Park**, citizen of the Republic of Korea, residing at 409-202, Jugong Apt., Byeongjeom-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; and **Han-Bong Ko**, citizen of the Republic of Korea, residing at 105-606, Neulbeot Maeul Sinchang 1-cha Apt., Byeongjeom-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements as described in **PHASE CHANGE MEMORY CELL EMPLOYING A GeBiTe LAYER AS A PHASE CHANGE MATERIAL LAYER, PHASE CHANGE MEMORY DEVICE INCLUDING THE SAME, ELECTRONIC SYSTEM INCLUDING THE SAME AND METHOD OF FABRICATING THE SAME**, 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 and/or for which a related priority application may have been previously filed in a foreign patent office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 11/747,395, filed 5/11/07) the application number and filing date 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, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention(s) as described in said application(s), 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(s) and application, and in and to any and all applications for which said application claims the benefit of priority, as well as to 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 term and/or extensions or adjustments therefor, for which said Letters Patent may be granted, together with the right to claim the priority of said application(s) 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.

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(s) and application(s) 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(s), to testify in any interference or legal proceedings involving said invention(s), 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(s) in all countries and to vest in the assignee complete title to the said invention(s) and Letters Patent(s), 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 hand and seal on this 3
day of May, 2007.



Bong-Jin Kih

Witnessed by:

Date: _____

IN WITNESS WHEREOF, we have hereunto set our hand and seal on this 3
day of May, 2007.

Yong-Ho Ha
Yong-Ho Ha

Witnessed by:

Date: _____

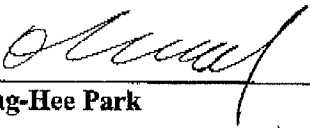
IN WITNESS WHEREOF, we have hereunto set our hand and seal on this 3
day of May, 2007.

Doo Hwan Park
Doo-Hwan Park

Witnessed by:

Date: _____

IN WITNESS WHEREOF, we have hereunto set our hand and seal on this _____
day of 5/07, 2007.

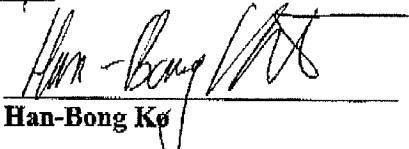


Jeong-Hee Park

Witnessed by:

Date: _____

IN WITNESS WHEREOF, we have hereunto set our hand and seal on this _____
day of 03/05, 2007.


Han-Bong Ke

Witnessed by:

Date: _____