

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sun Pil Youn	04/02/2008
Jin Tae Kang	04/02/2008
Young Jae Joo	04/02/2008
Hyeong Jun Kim	04/02/2008
Jae Min Shin	04/02/2008
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	416 Maetan-dong, Yeongtong-gu
Internal Address:	Suwon-si
City:	Gyeonggi-do
State/Country:	REPUBLIC OF KOREA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12062905
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ATTORNEY DOCKET NUMBER:	5649-2400
NAME OF SUBMITTER:	Candi L. Riggs

CH \$40.00 12062905

Total Attachments: 6

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Sun-Pil Youn**, citizen of the Republic of Korea, residing at 1014-702, Jugong Apt. 10-danji, Unseo-dong, Jung-gu, Incheon, Republic of Korea; **Jin-Tae Kang**, citizen of the Republic of Korea, residing at 111-1104, Daewoo Prugio Apt., Gisan-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea; **Young-Jae Joo**, citizen of the Republic of Korea, residing at 101-902, Geumhwa Maeul Daewoo Hyundai Apt., Sanggal-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; **Hyeong-Jun Kim**, citizen of the Republic of Korea, residing at 28-505, Miseong Apt., Apgujeong-dong, Gangnam-gu, Seoul, Republic of Korea; and **Jae-Min Shin**, citizen of the Republic of Korea, residing at 106-1302, Hwanggol Maeul 1-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FABRICATING MULTI-BIT PHASE-CHANGE MEMORY DEVICES AND DEVICES FORMED THEREBY** 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. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 12/062,905, filed 4/4/2008) 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, Yeongtong-gu, Suwon-si, Gyeonggi-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

ASSIGNMENT - CONTINUED

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.

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, I have hereunto set my hand and seal on this 02 day of April, 2008.

Sun-pil Youn (SEAL)
Sun-Pil Youn

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 02 day
of April, 2008.

Jin-Tae Kang (SEAL)
Jin-Tae Kang

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day
of April, 2008.

Young-Jae Joo (SEAL)
Young-Jae Joo

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day
of April, 2008.

Hyeong-Jun Kim (SEAL)
Hyeong-Jun Kim

Witnessed by:

Date: _____



ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day
of April, 2008.

Jae-Min Shin (SEAL)
Jae-Min Shin

Witnessed by:

Shin-Hee Han

Date: 2008. 4. 02

