

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hye Young Kim</td> <td>11/28/2006</td> </tr> <tr> <td>Young Joon Choi</td> <td>11/28/2006</td> </tr> <tr> <td>Shea Yun Lee</td> <td>11/28/2006</td> </tr> <tr> <td>Jung Been Im</td> <td>11/28/2006</td> </tr> </tbody> </table>		Name	Execution Date	Hye Young Kim	11/28/2006	Young Joon Choi	11/28/2006	Shea Yun Lee	11/28/2006	Jung Been Im	11/28/2006
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Shea Yun Lee	11/28/2006										
Jung Been Im	11/28/2006										
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											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11565811</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11565811						
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Application Number:	11565811										
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:	5649-2060										
NAME OF SUBMITTER:	Candi L. Riggs										

CH \$40.00 11565811

Total Attachments: 5

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Attorney Docket 5649-2060

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jung-Been Im**, citizen of the Republic of Korea, residing at 1-405 Hyundai Villa 493-19, Jinan-ri, Taean-eup, Hwasong-si, Gyeonggi-do, Republic of Korea; **Hye-Young Kim**, citizen of the Republic of Korea, residing at A-103, Sinseong Juteack, 520-3, Deungchon 2-dong, Gangseo-gu, Seoul, Republic of Korea; **Young-Joon Choi**, citizen of the Republic of Korea, residing at 814-1802 Cheongsol Maeul, 142, Geumgok-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; and **Dong-Gi Lee**, citizen of the Republic of Korea, residing at 112-201, Dongil High Villa 1cha Apt., Guseong-dong, Yongin-si, Gyeonggi-do, Republic of Korea; **Shea-Yun Lee**, citizen of the Republic of Korea, residing at 102-503 Yeoksam Raemian Apt., Yeoksam 2-dong, Gangnam-gu, Seoul, Republic of Korea

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS AND APPARATUS FOR REALLOCATING ADDRESSABLE SPACES WITHIN MEMORY DEVICES** 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. 11/565,811, filed 12/11/2006) 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

Attorney Docket No. 5649-2060

ASSIGNMENT – CONTINUED

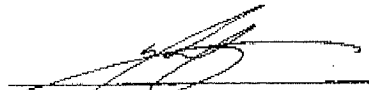
term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same 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 27th day of Nov., 2006.



Jung-Been Im (SEAL)

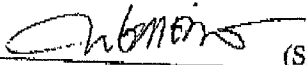
Witnessed by:

Date: _____

Attorney Docket No. 5649-2060

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28th day
of Nov., 2006.



Hye-Young Kim (SEAL)

Witnessed by:

Date: _____

Attorney Docket No. 5649-2060

ASSIGNMENT -- CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28th day
of Nov., 2006.



Young-Joon Choi (SEAL)

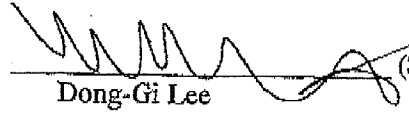
Witnessed by:

Date: _____

Attorney Docket No. 5649-2060

ASSIGNMENT - CONTINUED

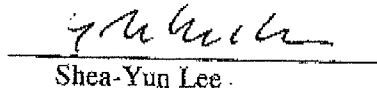
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28th day
of Nov., 2006.

 (SEAL)
Dong-Gi Lee

Witnessed by:

Date: _____

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28th day
of Nov, 2006.

 (SEAL)
Shea-Yun Lee

Witnessed by:

Date: _____