

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Youngsuk PARK	04/08/2009
Seung-Woo SEO	04/08/2009
Dong Hyun JE	04/08/2009
Sung Woo KIM	04/08/2009
Jun Sik LEE	04/08/2009

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742
City:	Suwon-si
State/Country:	REPUBLIC OF KOREA

Name:	SNU R&DB FOUNDATION
Street Address:	San 56-1, Sillim-dong, Gwanak-gu, Seoul 151-015
City:	Seoul
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12467876

CORRESPONDENCE DATA

Fax Number: (202)478-1813

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2024293789

Email: charles@mbiplaw.com

Correspondent Name: Charles Y. Park

Address Line 1: 1156 15th St NW Suite 603

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

OP \$40.00 12467876

500862699

PATENT
REEL: 022698 FRAME: 0905

ATTORNEY DOCKET NUMBER:	12000.SMG.0144
NAME OF SUBMITTER:	Charles Y. Park
Total Attachments: 7 source=Assignment12000SMG0144#page1.tif source=Assignment12000SMG0144#page2.tif source=Assignment12000SMG0144#page3.tif source=Assignment12000SMG0144#page4.tif source=Assignment12000SMG0144#page5.tif source=Assignment12000SMG0144#page6.tif source=Assignment12000SMG0144#page7.tif	

ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

SYSTEM AND METHOD OF UPDATING KEY BASED ON COMMUNICATION COST
AND SECURITY DAMAGE COST

for which we executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent

on 05/18/2007 Application No. 12/469,876; and

WHEREAS,

(1) SAMSUNG ELECTRONICS CO., LTD., a Korean corporation having principal executive offices or place of business at:

416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea,
and

(2) SNU R&DB FOUNDATION, a Korean foundation having its principal executive offices or place of business at:

San 56-1, Sillim-dong, Gwanak-gu, Seoul 151-015, Republic of Korea,

(hereinafter referred to as assignees), are each desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention, and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignees is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignees, their lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignees, their successors and assigns, in accordance with the terms of this Assignment;

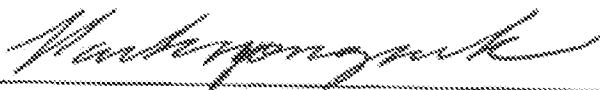
AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignees, their successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignees, their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignees, their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers and/or the rendering of such aid shall be borne by the assignees, their successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert the filing date and application number of said application above in the lines provided when known.

First Assignor:

Name: Yongsuk PARK
Address: No. 209-1207 ShinBampo APT, Jam Won-dong,
Seocho-gu, Seoul 137-949, Republic of Korea
Nationality: United States of America

IN WITNESS WHEREOF, I hereto set my hand and seal this 24th day of
April, 2009

Signature: 
Yongsuk PARK

City of Seoul :

:

Country of Rep. of Korea :

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

Second Assignor:

Name: Seung-Woo SEO
Address: No. 205-403 Gwanaksan Humansia Apt.,
Sillim 7-dong, Gwanak-gu, Seoul 151-910, Republic of Korea
Nationality: Republic of Korea

In WITNESS WHEREOF, I hereto set my hand and seal this 8 day of
April, 2009

Signature: _____

Seung-Woo SEO

City of Seoul :

Country of Rep. of Korea :

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

Third Assignor:

Name: Dong Hyun JE
Address: 5th Fl., Jung-Duk Bldg., 303-28 Gaebong 2-dong, Guro-gu,
Seoul 152-813, Republic of Korea
Nationality: Republic of Korea

IN WITNESS WHEREOF, I hereto set my hand and seal this 8 day of
April, 2009

Signature: _____

Dong Hyun JE

City of Seoul :

Country of Rep. of Korea :

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

Fourth Assignor:

Name: Sung Woo KIM

Address: No. 120-1101 Purgio Apt., Samseon-dong 2-ga,
Seongbuk-gu, Seoul 136-721, Republic of Korea

Nationality: Republic of Korea

IN WITNESS WHEREOF, I hereto set my hand and seal this 8 day of

April, 2009

Signature: Sung Woo KIM

City of Seoul :

Country of Rep. of Korea :

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

Fifth Assignor:

Name: Jun Sik LEE
Address: 652-7, Banghak 1-dong, Dobong-gu, Seoul 132-846, Republic of Korea
Nationality: Republic of Korea

IN WITNESS WHEREOF, I hereto set my hand and seal this 8 day of

April, 2009

Signature: _____

Jun Sik LEE

City of Seoul :

Country of Rep. of Korea :

Before me this _____ day of _____, 2008, personally appeared
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that they executed the same as his free act and deed for the purposes therein
contained.

Witness or Notary Public

PATENT

RECORDED: 05/18/2009

REEL: 022698 FRAME: 0913