

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chae Gwon LIM	04/28/2011
Tae Sun YEOUM	04/28/2011
Sung Ho CHOI	04/28/2011
Jong Moon CHUNG	04/28/2011
William Jin Ho SONG	04/27/2011
Dae Young LEE	04/28/2011

RECEIVING PARTY DATA

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

Name:	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY
Street Address:	Yonsei University, 134, Shinchon-dong, Seodaemaun-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13127095

CORRESPONDENCE DATA

Fax Number: (202)403-3587
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 202-293-0804
 Email: usdocketing@jeffersonip.com
 Correspondent Name: Jefferson IP Law, LLP
 Address Line 1: 1130 Connecticut Ave., NW

OP \$40.00 13127095

Address Line 2: Suite 420
Address Line 4: Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER: 0203-0447

NAME OF SUBMITTER: Raymond Persino

Total Attachments: 8
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source=0203-0447AssignmentAsFiled#page2.tif
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source=0203-0447AssignmentAsFiled#page8.tif

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
 1) Chae Gwon LIM, 2) Tae Sun YEOUM, 3) Sung Ho CHOI,
 4) Jong Moon CHUNG, 5) William Jin Ho SONG, and
 6) Dae Young LEE

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Samsung Electronics Co., Ltd.
 Internal Address: _____

 Street Address: 416, Maetan-dong, Yeongtong-gu

 City: Suwon-city, Gyeonggi-do
 State: _____
 Country: Republic of Korea Zip: _____
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) April 28, 2011 and April 27, 2011

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
13/127,095

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Jefferson IP Law, LLP
 Internal Address: Raymond B. Persino

 Street Address: 1130 Connecticut Ave., NW, Suite 420

 City: Washington
 State: District of Columbia Zip: 20036
 Phone Number: 202-293-0804
 Fax Number: 202-403-3587
 Email Address: usdocketing@jeffersonip.com

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number _____
 Authorized User Name _____

9. Signature: _____ /Raymond B. PERSINO/ _____ May 2, 2011
 Signature Date

Raymond B. Persino
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 8

Page 2
Recordation of assignment

Additional name and address of receiving parties:

Name: INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY

Address: Yonsei University, 134, Shinchon-dong, Seodaemaun-gu, Seoul, Republic of
Korea

Assignment

WHEREAS, the following inventors, namely 1) Chae Gwon LIM, 2) Tae Sun YEOUM, 3) Sung Ho CHOI, 4) Jong Moon CHUNG, 5) William Jin Ho SONG, and 6) Dae Young LEE, all citizens of the Republic of Korea and residing respectfully at 1) No. 302, Roy Vill, 909-9, Daechi 4-dong, Kangnam-gu, Seoul, Republic of Korea, 2) No. 104-1502, LG Xi Apt., Yeoumri-dong, Mapo-gu, Seoul, Republic of Korea, 3) No. 437-601, Samsung Raemian Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 4) C226, Jae 3-gonghakgwan, Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul, Republic of Korea, 5) C226, Jae 3-gonghakgwan, Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul, Republic of Korea, and 6) C226, Jae 3-gonghakgwan, Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul, Republic of Korea (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

DATA FORWARDING METHOD AND SYSTEM FOR VERTICAL HANDOVER,

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on May 2, 2011, and assigned Serial No. 13/127,095; and,

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea and **Industry-Academic Cooperation Foundation, Yonsei University**, located and doing business at Yonsei University, 134m Schinchon-dong, Seodaemaun-gu, Seoul, Republic of Korea (hereinafter called "Assignees"), is desirous of acquiring the entire right, title and interest therein;

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors do hereby sell, assign and transfer unto said Assignees the entire and exclusive worldwide right, title and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application, any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof; and the right to file any foreign application and/or claim priority under the provisions of any international treaty or convention arising from this application or any divisional, continuing, substitute or reissue application therefrom. The aforesaid assignment includes the right in and to all income, royalties, damages and payments, now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and transfer had not been made.

Assignors covenant and agree, without further compensation to said Assignors but at Assignee's expense:

- a. to execute:
 - i. all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignees may deem necessary or expedient, and
 - ii. all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;

Attorney Docket No.: 0203-0447
Client Docket No.: YPF200908-0048/US_DMC

- b. to cooperate with the Assignees in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- c. to communicate to the Assignees any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and
- e. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignees the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignees to record title.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignees, its legal representatives, successors and assigns.

Assignors each hereby represent, covenant and warrant that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

The provisions of this Assignment are binding upon each Assignor's heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of Jefferson IP Law, LLP of Washington, DC and its attorneys and agents as associated with Customer No. 68103 the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Signature of First Inventor: Chae Gwon LIM April 28, 2011
Chae Gwon LIM Date

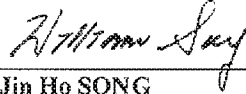
Signature of Second Inventor: Tae Sun YEOUM April 28, 2011
Tae Sun YEOUM Date

Signature of Third Inventor: Sung Ho CHOI April 28, 2011
Sung Ho CHOI Date

Signature of Fourth Inventor: _____
Jong Moon CHUNG Date

Attorney Docket No.: 0203-0447
Client Docket No.: YPF200908-0048/US_DMC

Signature of Fifth Inventor:



William Jin Ho SONG

04/29/2011
Date

Signature of Sixth Inventor:

Dae Young LEE

Date

Assignment

WHEREAS, the following inventors, namely 1) Chae Gwon LIM, 2) Tae Sun YEOUM, 3) Sung Ho CHOI, 4) Jong Moon CHUNG, 5) William Jin Ho SONG, and 6) Dae Young LEE, all citizens of the Republic of Korea and residing respectfully at 1) No. 302, Roy Vill, 909-9, Daechi 4-dong, Kangnam-gu, Seoul, Republic of Korea, 2) No. 104-1502, LG Xi Apt., Yeoumri-dong, Mapo-gu, Seoul, Republic of Korea, 3) No. 437-601, Samsung Raemian Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 4) C226, Jae 3-gonghakgwan, Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul, Republic of Korea, 5) C226, Jae 3-gonghakgwan, Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul, Republic of Korea, and 6) C226, Jae 3-gonghakgwan, Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul, Republic of Korea (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

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 - i. all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignees may deem necessary or expedient, and
 - ii. all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;

- b. to cooperate with the Assignees in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- c. to communicate to the Assignees any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and
- e. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignees the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignees to record title.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignees, its legal representatives, successors and assigns.

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Signature of First Inventor:

Chae Gwon LIM

Date

Signature of Second Inventor:

Tae Sun YEOM

Date

Signature of Third Inventor:

Sung Ho CHOI

Date

Signature of Fourth Inventor:

Jong Moon CHUNG

Date

April 22, 2011


Attorney Docket No.: 0281-0447
Client Docket No.: YPF200908-00423/S BMC

Signature of Fifth Inventor:

William Jin Ho SONG

Date

Signature of Sixth Inventor:


Dae Young LEE

April 21, 2011

Date