

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Dae-Hyun SIM	05/20/2008
Kwang-Jun KIM	05/20/2008
Jae-Ho KIM	05/20/2008
Young-Seop HAN	05/20/2008
Yun-Chul YI	05/20/2008
Woo-Jun CHOI	05/20/2008
Beom-Soo CHO	05/20/2008
Jeong-Eun LEE	05/20/2008

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
Postal Code:	443-742

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12124482

CORRESPONDENCE DATA

Fax Number: (202)403-3587

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

Phone: 202-293-2941

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Correspondent Name: Maeng-Ho Shin

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OP \$40.00 12124482

500545752

PATENT
REEL: 020978 FRAME: 0967

ATTORNEY DOCKET NUMBER:

0201-0106

NAME OF SUBMITTER:

Maeng-Ho shin

Total Attachments: 4

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**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) Dae-Hyun SIM, 2) Kwang-Jun KIM, 3) Jae-Ho KIM,
4) Young-Seop HAN, 5) Yun-Chul YI, 6) Woo-Jun CHOI,
7) Beom-Soo CHO and 8) Jeong-Eun LEE

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) May 20, 2008

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

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

Internal Address: _____

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

City: Suwon-si

State: Gyeonggi-do

Country: Republic of Korea

Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/124,482

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: Maeng-Ho SHIN

Street Address: 1730 M Street, NW, Suite 807

City: Washington

State: DC

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:

/Maeng-Ho SHIN/ Reg. #53,859

Signature

May 21, 2008

Date

Maeng-Ho SHIN

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Assignment

WHEREAS, the following inventors, namely 1) Dae-Hyun SIM, 2) Kwang-Jun KIM, 3) Jae-Ho KIM, 4) Young-Seop HAN, 5) Yun-Chul YI, 6) Woo-Jun CHOI, 7) Beom-Soo CHO, 8) Jeong-Eun LEE all citizens of the Republic of Korea and residing respectfully at 1) #101-1004, Unid APT., Seocho 1-dong, Seocho-gu, Seoul, Republic of Korea, 2) #138-1001, Hwagok Purgio, Hwagok 3-dong, Gangseo-gu, Seoul, Republic of Korea, 3) #301, 428-30, Bangbae 2-dong, Seocho-gu, Seoul, Republic of Korea, 4) #125-1601, Hwanggolmaeul Hwanggol Jugong 1-danji APT., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 5) #104-201, 1-jigu Dongbu APT., Pungdeokcheon 1-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea, 6) 207-8, Maetan 4-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 7) #439-1403, Cheongmyeongmaeul 4-danji Samsung Raemian APT., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 8) #119-2702, Park Town Samik APT., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, 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:

SYSTEM AND METHOD FOR TRANSMITTING/RECEIVING DATA BY USING A MOBILE COMMUNICATION TERMINAL IN A ZIGBEE PAN

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on 5/24/2008, and assigned Serial No. 12/24,482 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 (hereinafter called "Assignee") are 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 Assignee 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 Assignee 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 Assignee in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding

Attorney Docket No.:
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- relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- c. to communicate to the Assignee 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 Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee 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 Assignee, 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:	<u>Dae-Hyun Sim</u>	<u>2008.05.20</u>
	Dae-Hyun SIM	Date
Signature of Second Inventor:	<u>Kwang-Jun KIM</u>	<u>2008.05.20</u>
	Kwang-Jun KIM	Date
Signature of Third Inventor:	<u>Jae-ho Kim</u>	<u>2008.05.20</u>
	Jae-Ho KIM	Date
Signature of Fourth Inventor:	<u>Young-Seop Han</u>	<u>2008.05.20</u>
	Young-Seop HAN	Date
Signature of Fifth Inventor:	<u>Yun-Chul Yi</u>	<u>2008.05.20</u>
	Yun-Chul YI	Date
Signature of Sixth Inventor:	<u>Woo-Jun Choi</u>	<u>2008.05.20</u>
	Woo-Jun CHOI	Date

Attorney Docket No.:
Client Docket No.:

Signature of Seventh Inventor:	<u>Beom-Soo Cho</u>	<u>2008.05.20</u>
	Beom-Soo CHO	Date
Signature of Eighth Inventor:	<u>Jeong-Eun Lee</u>	<u>2008.05.20</u>
	Jeong-Eun LEE	Date