PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANG-SOO JEONG	03/27/2014
JUNG-JE SON	03/27/2014
SONG-YEAN CHO	03/27/2014
BEOM-SIK BAE	03/27/2014
HAN-NA LIM	03/27/2014

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14348374

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 202-293-0804

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Correspondent Name: JEFFERSON IP LAW, LLP

Address Line 1: 1130 CONNECTICUT AVE., NW, SUITE 420
Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:	0201-1033
NAME OF SUBMITTER:	JAMES J. LIVINGSTON
SIGNATURE:	/James J. LIVINGSTON/
DATE SIGNED:	03/28/2014

Total Attachments: 7

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PATENT REEL: 032559 FRAME: 0832

Assignment

WHEREAS, the following inventors, namely 1) Sang-Soo JEONG, 2) Jung-Je SON, 3) Song-Yean CHO, 4) Beom-Sik BAE, and 5) Han-Na LIM, all citizens of the Republic of Korea and residing respectfully at 1) #503, 2-4, Maesanro 2-ga, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 2) #212-803, Hyundai I-Park 1-cha APT., Bojeong-dong, Giheung-gu, Yongin-si, Republic of Korea, 3) #102-301, Hanil UNI APT., 1136, Namhyeon-dong, Gwanak-gu, Seoul, Republic of Korea, 4) #1001-1803, BangJukmaeul Yeongtong Tranchae APT., 707, Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and 5) #202, 612-135, Banpo 4-dong, Seocho-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:

METHOD AND APPARATUS FOR SUPPORTING LOCAL ACCESS AND VOICE COMMUNICATION IN A LOCAL NETWORK,

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on March 28, 2014, and assigned Serial No. 14/348,374; and,

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (hereinafter called "Assignee"), 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 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:

- to execute: a.
 - 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
 - all papers in connection with any interference, litigation, mediation, arbitration or ii. other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;
- to cooperate with the Assignee in every way possible in obtaining evidence and going b. forward in any interference, litigation, mediation, arbitration or other proceeding

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REEL: 032559 FRAME: 0833

relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof:

- 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:

Sang-Soo JEONG

Signature of Second Inventor:

Jung-Je SON

Signature of Third Inventor:

Song-Yean CHO

Signature of Fourth Inventor:

Beom-Sik BAE

Date

Han-Na LIM

Attorney Docket No.: 0201-1033 Client Docket No.: P19597-US/DMC

Date

Assignment

WHEREAS, the following inventors, namely 1) Sang-Soo JEONG, 2) Jung-Je SON, 3) Song-Yean CHO, 4) Beom-Sik BAE, and 5) Han-Na LIM, all citizens of the Republic of Korea and residing respectfully at 1) #503, 2-4, Maesanro 2-ga, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 2) #212-803, Hyundai I-Park 1-cha APT., Bojeong-dong, Giheung-gu, Yongin-si, Republic of Korea, 3) #102-301, Hanil UNI APT., 1136, Namhyeon-dong, Gwanak-gu, Seoul, Republic of Korea, 4) #1001-1803, BangJukmaeul Yeongtong Tranchae APT., 707, Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and 5) #202, 612-135, Banpo 4-dong, Seocho-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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 - 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

PATENT REEL: 032559 FRAME: 0836

relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof:

- 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.

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Signature of First Inventor:		
	Sang-Soo JEONG	Date
Signature of Second Inventor:		
	Jung-Je SON	Date
Signature of Third Inventor:		
	Song-Yean CHO	Date
Signature of Fourth Inventor:	Bento	Mar. 29, 2014
	Beom-Sik BAE	Date
Signature of Fifth Inventor:	Man	Mar. 27, 2014
	Han-Na LIM	Date