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11.

103576052

1. Name of conveying parties:

- 1) Chang Sub SHIN
2) Seong Soon JOO
3) Jong Suk CHAE
4) Wun Cheol JEONG
5) Jae Hong RUY
6) Myung Jong LEE
7) Tae Rim PARK

2. Name and Address of receiving parties):

Electronics and Telecommunications Research Institute
161, Gajeong-dong, Yuseong-gu,
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Republic of Korea

Research Foundation of The City University of New York
555 West 57th Street,
New York, NY 10019
U.S.A.

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date(s): 1) September 1, 2009; 2) September 2, 2009; 3) September 1, 2009;
4) September 1, 2009; 5) September 2, 2009; 6) September 2, 2009; 7) September 4, 2009

4. Application number(s) or patent number(s):

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

OR

☒ This document is being filed after filing of the application:

- (a) Patent Application No(s). 12/501,024, filed July 10, 2009; or
(b) Patent No(s). , issued .

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY LLP Our Docket: 1998.1063
Attention: J. Randall Beckers
1201 New York Ave., N.W., 7th Floor
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

- ☒ Enclosed
☐ Authorized to be charged to deposit account.

J. Randall Beckers, Reg. No. 30,358
Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 3

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INVENTION ASSIGNMENT

S&H 07/00

WHEREAS:

Assignor #1 SHIN, Chang Sub

Assignor #2 JOO, Seong Soon

Assignor #3 CHAE, Jong Suk

Assignor #4 JEONG, Wun Cheol

Assignor #5 RUY, Jae Hong

Assignor #6 LEE, Myung Jong

Assignor #7 PARK, Tae Rim

(hereinafter referred to as ASSIGNORS), have invented certain new and useful improvements in an invention entitled SENSOR NETWORK MEDIUM ACCESS CONTROL (MAC) SYSTEM FOR MULTIHOP COMMUNICATION, the invention having been described in _____ (hereinafter referred to as the "Invention"), and for which an application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ (insert date of execution of application, if not concurrent)

(b) filed on _____

Serial no. _____

Any registered attorney of STAAS & HALSEY
LLP, 1201 New York Avenue, N.W., Washington,
DC 20005 (202/434-1500) is hereby authorized
To insert in (b) the specified data, when known.

WHEREAS:

Assignee #1 Name: Electronics and Telecommunications Research Institute

Address: 161 Gajeong-dong, Yuseong-gu, Daejeon-city, Republic of Korea

Assignee #2 Name: Research Foundation Of The City University Of New York

Address: 555 West 57th Street, New York, NY 10019, U.S.A.

hereinafter referred to as ASSIGNEES), are desirous of acquiring the entire interest in, to and under said Invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for valuable consideration furnished by ASSIGNEES to ASSIGNORS, sufficiency and receipt of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer to ASSIGNEES, their lawful successors and assigns, the full and exclusive right, title and interest to said Invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said Invention by patent application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this Invention to ASSIGNEES, their lawful successors and assigns.

ASSIGNORS hereby sell, assign and transfer to ASSIGNEES the Invention herein in the following ownership shares:

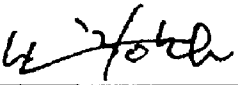
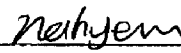

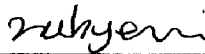
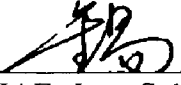
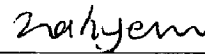
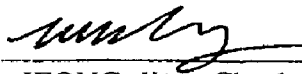
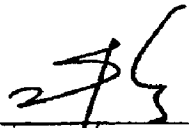
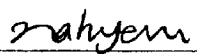



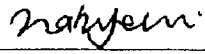
Electronics and Telecommunications Research Institute
Research Foundation Of The City University Of New York

50% share
50% share

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNORS further covenant that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said Invention and any application and Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEES or their legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said Invention and any application and Letters Patent and equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS THEREOF, the undersigned inventors have hereunto set hand and signed on the date indicated below;

<u>INVENTOR</u>	<u>DATE SIGNED</u>	<u>WITNESS(ES)</u>
1)  SHIN, Chang Sub	<u>Sep 1, 2009</u>	 Na Hyemi
2)  JOO, Seong Soon	<u>Sep 2, 2009</u>	 Na Hyemi
3)  CHAE, Jong Suk	<u>Sep. 1, 2009</u>	 Na Hyemi
4)  JEONG, Wun Cheol	<u>Sept. 1, 2009</u>	 Na Hyemi
5)  RUY, Jae Hong	<u>Sep. 2, 2009</u>	 Na Hyemi
6)  LEE, Myung Jong	<u>9/2/09</u>	 Na Hyemi
7)  PARK, Tae Rim	<u>2009/09/09</u>	 Na Hye