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U.S. DEPARTMENT OF COMMERCE

ument.

1. Name of conveying party(ies):
Su Chang CHAE
Seung Kwon CHO
Young-Il KIM

2. Name and Address of receiving party(ies):

Electronics and Telecommunications Research Institute
161, Gajeong-dong, Yuseong-gu,
Daejeon 305-350,
Republic of Korea

3. Nature of conveyance:

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

Execution Date(s): June 9, 2010, June 10, 2010 and June 10, 2010, respectively

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). 12/808,824, filed June 17, 2010; 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: 2033.1130

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.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)

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

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Date

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S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

161, Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea

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(a) executed on ;

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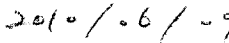
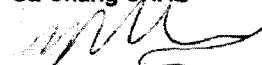


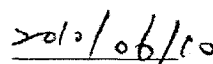
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IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

- | | | |
|----|---|---|
| 1) |  Su Chang CHAE |  2010/06/09 |
| 2) |  Seung Kwon CHO |  2010/06/10 |
| 3) |  Young-Il KIM |  2010/06/10 |