TO THE COMMISSIONER OF THE U.S. PATENT & TRADEMARK OFFICE

03-15-2005

Mail Stop Assignments

Please record the attached original documents or copies.

102959218

1. NAME OF CONVEYING PARTIES [ASSIGNOR(S)]:
   a. Young Ae JEON
   b. Ji Eun KIM
   c. Sangsung CHO
   d. Kwang Roh PARK
   e.
   f.
   g.
   h.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? □YES □NO

2. PARTIES [ASSIGNEE(S)] RECEIVING INTEREST:
   NAME: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
   ADDRESS: 161 Kajong-Dong, Yusong-Gu, Taejon, 305-350, Korea

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? □YES □NO

3. NATURE OF CONVEYANCE/DOCUMENT:
   ☒ ASSIGNMENT OF ☐ WHOLE or ☐ PART INTEREST
   ☒ ORIGINAL ☐ FACSIMILE/PHOTOCOPY
   ☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION
   ☐ SECURITY ☐ MERGER ☐ OTHER:

   Execution Date(s) on the Conveyance/Document: February 3, 2005
   Execution Date(s) on the Declaration (if filed herewith): February 3, 2005

4. APPLICATION AND/OR PATENT NUMBER(S):
   Additional sheets attached? □YES □NO
   a. Application Number(s) Matter No. First Inventor
   New Application 123056-05026106 Young Ae JEON
   b. Patent Number(s) Matter No. First Inventor

5. NAME & ADDRESS OF PARTY TO WHOM CORRESPONDENCE CONCERNING DOCUMENT SHOULD BE MAILED:
   Customer No. 43569
   Mayer, Brown, Rowe & Maw LLP
   Intellectual Property Group
   1909 K Street, N.W.
   Washington, D.C. 20006-1101

6. NUMBER OF PROPERTIES INVOLVED:
   Applns 1 + Patents 0 = Total: 1

7. AMOUNT OF FEE DUE:
   Above Total 1 x $40 = $40 (Fee Code 8021)

8. PLEASE CHARGE TO:
   DEPOSIT ACCOUNT NO. 503-121
   Under Order No. 123056-05026106
   Matter No.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. TOTAL NUMBER OF PAGES (including cover sheet, attachments and documents): 3

Signature

Name of Attorney: Yoon Ham
Registration No. 45,307

Date: March 4, 2005
Telephone: (202) 263-3280 / Facsimile: (202) 263-5280

FILE WITH PTO RETURN RECEIPT (PAT-103A)

03/14/2005 50011 00000119 503121 11071200
01 FC:8021 40.00 80
ASSIGNMENT OF NONPROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

<table>
<thead>
<tr>
<th>INSERT NAME(S) OF INVENTOR(S)</th>
<th>(1) Young Ae JEON</th>
<th>(2) Ji Eun KIM</th>
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<tbody>
<tr>
<td>(3) Sangsung CHOI</td>
<td>(4) Kwang Roh PARK</td>
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<td>(5) x box if continued on page 2</td>
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(collectively hereinafter “ASSIGNOR”) has/have made an invention entitled:

**TITLE OF INVENTION**

APPARATUS FOR TRANSMITTING WPAN MAC FRAMES AND METHOD THEREOF

for which an application for Letters Patents of the United States of America:

(Note: Complete A or B)

(A) [x] was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or

(B) [ ] was filed on ______________________ as Application No. ______________________

AND WHEREAS,

<table>
<thead>
<tr>
<th>INSERT ADDRESS(ES) OF ASSIGNEE(S)</th>
</tr>
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<tbody>
<tr>
<td>161 Kajong-Dong, Yusong-Gu, Taejon, 305-350, Korea</td>
</tr>
</tbody>
</table>

(hereinafter "ASSIGNEE"), duly organized and existing under the laws of Republic of Korea, desires to acquire an interest therein of the above-identified invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and

Additionally, the undersigned further authorize(s) Mayer Brown Rowe & Maw LLP, 1909 K Street, N.W., Washington, D.C. 20006, to insert hereon any further identification necessary or desirable for recordation of this document.

<table>
<thead>
<tr>
<th>INVENTORS</th>
<th>DATE SIGNED</th>
<th>WITNESSES</th>
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<tbody>
<tr>
<td>1) Name:</td>
<td></td>
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<tr>
<td>Young Ae JEON</td>
<td>2005.2.3</td>
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<td>2) Name:</td>
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<tr>
<td>Ji Eun KIM</td>
<td>2005.2.3</td>
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<td>3) Name:</td>
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<td>Sangsung CHOI</td>
<td>2005.2.3</td>
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<td>4) Name:</td>
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<tr>
<td>Kwang Roh PARK</td>
<td>2005.2.3</td>
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<td>5) Name:</td>
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RECORDED: 03/04/2005

PATENT
REEL: 016346 FRAME: 0850