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Commissioner of Patents & Trademarks

Washington, D.C. 20231

Form PTO-1595

RECO

U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)

102214979

U.S. PATENT AND TRADEMARK OFFICE

To the honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof:

1. Name of Conveying Party(ies):

BAK, YUHYEON

KIM, CHANG-SOO

KIM, GYOUNG BAE

SHIN, BUM JOO

2. Name and Address of Receiving Party(ies):

Name:

ELECTRONICS and TELECOMMUNICATIONS
RESEARCH INSTITUTE

Street Address:

161 Gajeong-dong, Yuseong-gu

Street Address:

City:

Daejeon

State/Country:

Korea

Postal Code:

305-350

Additional name(s) of conveying party(ies) attached?



Yes



No

Additional name(s) and addresses attached?



Yes



No

3. Nature of Conveyance:

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

Execution Date:

08052002

4. Application Number(s) or Patent Number(s):

☒ Assignment is being filed together with new application and the first execution date of application is : 09032002☐ Application has been filed already and the application filing date is:

A. Patent Application Number(s):

B. Issued Patent Number(s):

09/04/2002 NEE333 00000067 10232747

02 FC:58 40.00 UP

Additional numbers attached? ☐ Yes ☒ No

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

CUSTOMER NUMBER 00136 -or-

JACOBSON HOLMAN PLLC
400 Seventh Street, N.W.
Washington, D.C. 20004-2218
Tel. 202-638-6666

Attorney Docket Number: P68164US0

6. Total number of applications and patents involved:

1

7. Total Fee (37 CFR 3.41): \$ 40.00

☒ Enclosed☒ Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.

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8. Statement and Signature:

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.

Yoon S. Ham/45,307

September 3, 2002

Name of Person Signing, Reg. No.

Signature

Date

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

-3-

JCH 103-2/02

PATENT
REEL: 013255 FRAME: 0317

UNITED STATES OF AMERICA-ASSIGNMENT

(1-4) Insert Name(s) of Inventors (1) **Yuhyeon Bak**
(2) **Chang-Soo Kim**
(3) **Gyoung Bae Kim** and
(4) **Bum Joo Shin**

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to

(5) Insert Name of Assignee (5) **Electronics and Telecommunications Research Institute**

(6) Insert Address of Assignee (6) of **161 Gajeong-dong, Yuseong-gu, Daejeon 305-350, Korea**

(7) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan) (7) **an Institute** of **Korea**
(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(8) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (8) **RAID SYSTEM AND MAPPING METHOD THEREOF**

for which the undersigned has (have) executed an application for patent in the United States of

(9) Insert Date of signing of Application, or filing date and Serial No., if known (9) Said application having been executed/filed on **September 3, 2002**
(and assigned Serial No. **...New Application...**)

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the international Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith.

6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement.

7) The undersigned hereby grant(s) the law firm of **Jacobson Holman PLLC**, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

LAW OFFICES OF
JACOBSON HOLMAN
PROFESSIONAL LIMITED LIABILITY COMPANY
THE JENIFER BUILDING
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

In witness whereof, executed by the undersigned on this date(s) opposite the undersigned name(s).

Date 5. Aug. 2002 Name of Inventor Yuhyeon Bak Bak, Yuhyeon (SEAL)
typed name signature

Date 5. Aug. 2002 Name of Inventor Chang-Soo Kim [Signature] (SEAL)
typed name signature

Date 5. Aug. 2002 Name of Inventor Gyoung Bae Kim Gyoung Bae Kim (SEAL)
typed name signature

Date 5. Aug. 2002 Name of Inventor Bum Joo Shin Bum Joo Shin (SEAL)
typed name signature

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:



Additional Inventor's names and
on a separate sheet.

Witness _____

Witness _____