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Commissioner of Patents & Trademarks

Washington, D.C. 20231

Form PTO-1595

(Rev. 03/01)

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U.S. DEPARTMENT OF COMMERCE

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):

RYOO, DONG WAN

LEE, HYUNG JIK

LEE, JEUN WOO

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

Name: **ELECTRONICS and TELECOMMUNICATION RESEARCH INSTITUTE**

Street Address: **161 Kajong-Dong, Yusong-Gu,**

Street Address:

City: **Taejon**

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: **12192002**

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

Assignment is being filed together with new application and the first execution date of application is : **12262002**

Application has been filed already and the application filing date is:

A. Patent Application Number(s):

B. Issued Patent Number(s):

10/32 7881

12/27/2002 HTECKLU1 00000055 10327881

02 FC:8021

40.00 0P

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: **P68517US0**

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

December 26, 2002

Name of Person Signing, Reg. No.

Signature

Date

Total number of pages including cover sheet, attachments, and documents: **-2-**

JCH 103-2/02

**PATENT
REEL: 13618 FRAME: 0414**

JCS999 U.S. P&O
10/32/02
12/26/02

UNITED STATES OF AMERICA-ASSIGNMENT

(1-6) Insert Name(s) of Inventors (1) Dong Wan Ryoo (2) Hyung Jik Lee (3) Jeun Woo Lee

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 agree(s) to assign, transfer and set over to

(7) Insert Name of assignee (7) ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

(8) Insert Address of Assignee (8) 161 Kajong-Dong, Yusong-Gu, Taejon, 305-350, Korea of

(9) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan) (9) a Institution of Republic 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

(10) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (10) APPARATUS AND METHOD FOR IMAGE CONVERSION AND AUTOMATIC ERROR CORRECTION FOR DIGITAL TELEVISION RECEIVER for which the undersigned has (have) executed an application for patent in the United States of America

(11) Insert Date of Signing of Application, or filing date and Serial No., if known (11) Said application having been executed/ filed on December 26, 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 thereof 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 his application 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 or 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 of the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents the 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) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, PLLC, 400 Seventh Street, NW, 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.

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

Date 12/19/02 Name of Inventor Dong Wan Ryoo typed name | Ryoo dong wan signature (SEAL)
Date 12/19/02 Name of Inventor Hyung Jik Lee typed name | Hyung Jik Lee signature (SEAL)
Date 12/19/02 Name of Inventor Jeun Woo Lee typed name | Jeun Woo Lee signature (SEAL)

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:

Witness lines for additional inventor's names and signatures on a separate sheet.

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

JPH&S 12/92:3/96