

03/01/04

03-08-2004

Commissioner for Patents & Trademarks

Alexandria, VA 22313

Form PTO-1595

RECC



U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)

....102686992

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):

RYU, SANG OUK
CHO, SEONG MOK
KIM, KWI DONG
YU, BYOUNG GON

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-Shi**
State/Country: **Korea** Postal Code:

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: **01302004**

4. Application Number(s) or Patent Number(s): **10/788340**

Assignment is being filed together with new application and the first execution date of application is : **03012004**

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

A. Patent Application Number(s):

B. Issued Patent Number(s):

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: **P69524US0**

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.**

DO NOT USE THIS SPACE

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

March 1, 2004

Name of Person Signing, Reg. No.

Signature

Date

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

U.S. PTO
22856
10/788340
030104



JCH 103-2/02
03/03/2004 FFANREIA 00000076 10788340

02 FC:0021

40.00 OP

PATENT
REEL: 015032 FRAME: 0731

UNITED STATES OF AMERICA – ASSIGNMENT

(1-9)	Insert Name(s) of Inventors	(1)	Sang Ouk RYU
		(2)	Seong Mok CHO
		(3)	Kwi Dong KIM and
		(4)	Byoung Gon YU
		(5)	
		(6)	

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

(7)	Insert Name of Assignee	(7)	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
(8)	Insert Address of Assignee	(8)	Of 161 Gajeong-Dong, Yuseong-Gu, Daejeon-Shi, Republic of Korea
(9)	Insert Legal Entity and State or Country (e.g., a corporation or citizen of Korea)	(9)	A(n) Institute 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)	INFRARED RAY SENSOR USING SILICON OXIDE FILM AS INFRARED RAY ABSORPTION LAYER AND METHOD OF FABRICATING THE SAME
(11)	Insert Date of signing of Application, or filing date and Serial No., if known	(11)	Said application having been executed/filed on March 1, 2004 (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 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

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, 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.

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

Date	January 30, 2004	Name of Inventor	Sang Ouk RYU		(SEAL)
			Typed name	Signature	
Date	January 30, 2004	Name of Inventor	Seong Mok CHO		(SEAL)
			Typed name	Signature	
Date	January 30, 2004	Name of Inventor	Kwi Dong KIM		(SEAL)
			Typed name	Signature	
Date	January 30, 2004	Name of Inventor	Byoung Gon YU		(SEAL)
			Typed name	Signature	
Date		Name of Inventor			(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:

<input type="checkbox"/>	Additional inventor's names and signatures on a separate sheet.	Witness	Jung Hyuk SHIN	
		Witness	Myung Soon KIM	

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

JH 5/01 (Copying without deletions permitted)