

08-16-2004

Commissioner for Patents &amp; Trademarks

Alexandria, VA 22313

Form PTO-1595

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U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)

102814580

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):

PARK, Kun Sik  
PARK, Jong Moon

KIM, Snag Gi

BAE, Yoon Kyu  
KOO, Jin GunYOO, Seong Wook  
YOON, Yong SunKIM, Bo Woo  
LIM, Byung WonAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 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) and addresses attached? ☐ Yes ☒ No17510 U.S. PTO  
10/913398

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## 3. Nature of Conveyance:

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

Execution Date: 07-23-2004

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

☒ Assignment is being filed together with new application and the first execution date of application is : 07242004☐ Application has been filed already and the application filing date is:

A. Patent Application Number(s):

B. Issued Patent Number(s):

08/10/2004 HDENESS1 00000074 10913398

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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: P70001US0

## 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

August 9, 2004

Name of Person Signing, Reg. No.

Signature

Date

PATENT  
REEL: 015671 FRAME: 0271

# UNITED STATES OF AMERICA - ASSIGNMENT

(1-9)	Insert Name(s) of Inventors	(1)	Kun Sik PARK	(2)	Seong Wook YOO
		(3)	Jong Moon PARK	(4)	Yong Sun YOON
		(5)	Snag Gi KIM	(6)	Bo Woo KIM
		(7)	Yoon Kyu BAE	(8)	Byung Won LIM and
		(9)	Jin Gun KOO		
(10)	Insert Name of Assignee	(10)	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE		
(11)	Insert Address of Assignee	(11)	Of 161 Gajeong-dong, Yuseong-Gu, Daejeon-Shi, Republic of Korea		
(12)	Insert Legal Entity and State or Country (e.g., a corporation or citizen of Korea)	(12)	A(n) Institute of Republic of Korea		
(13)	Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(13)	SEMICONDUCTOR PHOTODETECTOR		
(14)	Insert Date of signing of Application, or filing date and Serial No., if known	(14)	Said application having been executed on July 23, 2004 (and assigned Serial No. )		

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	2004. 7. 23	Name of Inventor	Kun Sik PARK	Park, Kimsik	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Seong Wook YOO	Seong Wook YOO	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Jong Moon PARK	Jong Moon Park	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Yong Sun YOON	Yong Sun Yoon	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Snag Gi KIM	Snag-Gi Kim	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Bo Woo KIM	Bo Woo Kim	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Yoon Kyu BAE	Bae	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Byung Won LIM	Byung Won Lim	(SEAL)
			Typed name	Signature	
Date	2004. 7. 23	Name of Inventor	Jin Gun KOO	Jin Gun Koo	(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 signatures on a separate sheet.	Witness	Hvong Ku YOON
	Witness	Jung Hyuk SHIN

LAW OFFICES OF  
**JACOBSON HOLMAN**  
 PROFESSIONAL LIMITED LIABILITY COMPANY  
 THE JENIFER BUILDING  
 400 SEVENTH STREET, N.W.  
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