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Alexandria, VA 22313

Form PTO-1595

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(Rev. 03/01)

U.S. DEPARTMENT OF COMMERCE

U.S. PATENT AND TRADEMARK OFFICE

To the honorable Commissioner of Patents and

102596310

Original document or copy thereof:

1. Name of Conveying Party(ies):

PARK, SE HO
YANG, HAE SIK

10-31-03

LEE, DAE SIK
SHIN, YONG BEOMKIM, KYU WON
YOON, TAE HWAN

KIM, SUNG JIN

KIM, YUN TAE

Additional 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 ☒ No031088 U.S.P.T.O.
10/697295

3. Nature of Conveyance:

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

Execution Date: 07012003 & 07042003

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

☒ Assignment is being filed together with new application and the first execution date of application is : 10312003☐ Application has been filed already and the application filing date is:

A. Patent Application Number(s):

B. Issued Patent Number(s):

11/03/2003 RHARIS1 00000102 10697295

02 FC:0021

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: P69246US0

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

October 31, 2003

Name of Person Signing, Reg. No.

Signature

Date

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

-2-

UNITED STATES OF AMERICA - ASSIGNMENT

(1-9)	Insert <u>Name(s)</u> of Inventors	(1)	<u>Se Ho PARK</u>	(2)	<u>Hae Sik YANG</u>
		(3)	<u>Dae Sik LEE</u>	(4)	<u>Yong Beom SHIN</u>
		(5)	<u>Kyu Won KIM</u>	(6)	<u>Tae Hwan YOON</u>
		(7)	<u>Sung Jin KIM</u> and	(8)	<u>Yun Tae KIM</u>
		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			
(9)	Insert <u>Name</u> of Assignee	(9)	<u>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE</u>		
(10)	Insert <u>Address</u> of Assignee	(10)	Of <u>161 Gajeong-dong, Yuseong-Gu, Daejeon-Shi, Republic of Korea</u>		
(11)	Insert <u>Legal Entity and State or Country</u> (e.g., a corporation or citizen of Korea)	(11)	A(n) <u>Institute</u> of <u>Republic of Korea</u>		
		(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			
(12)	Insert <u>Identification</u> of Invention, such as Title, Case Number or Foreign Application Number	(12)	<u>METHOD FOR PERFORMING MULTIPLEX PCR WITH CYCLIC CHANGES OF PCR PARAMETERS</u>		
(13)	Insert <u>Date</u> of signing of Application, or filing date and Serial No., if known	(13)	for which the undersigned has (have) executed an application for patent in the United States of Said application having been executed/filed on <u>October 31, 2003</u> (and assigned Serial No. <u>New Application</u>)		

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	<u>July 4, 2003</u>	Name of Inventor	<u>Se Ho PARK</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>Se Ho PARK</u>	Signature
Date	<u>July 4, 2003</u>	Name of Inventor	<u>Hae Sik YANG</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>Hae Sik YANG</u>	Signature
Date	<u>July 4, 2003</u>	Name of Inventor	<u>Dae Sik LEE</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>Dae Sik LEE</u>	Signature
Date	<u>July 4, 2003</u>	Name of Inventor	<u>Yong Beom SHIN</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>Yong Beom SHIN</u>	Signature
Date	<u>July 4, 2003</u>	Name of Inventor	<u>Kyu Won KIM</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>Kyu Won KIM</u>	Signature
Date	<u>July 4, 2003</u>	Name of Inventor	<u>Tae Hwan YOON</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>TAE HWAN YOON</u>	Signature
Date	<u>July 4, 2003</u>	Name of Inventor	<u>Sung Jin KIM</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>Sung Jin KIM</u>	Signature
Date	<u>July 1, 2003</u>	Name of Inventor	<u>Yun Tae KIM</u>	<u>[Signature]</u> (SEAL)
		Typed name	<u>Yun Tae KIM</u>	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 [Signature]

Witness Jung Hyuk SHIN [Signature]

LAW OFFICES OF
JACOBSON HOLMAN
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