Fo the Honorable Commissioner of F	PATENT AND TRADEMARK OFFICE TON COVER SHEET TENTS ONLY 94-24-2000 the attached original		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
Bhum Cheol LEE, Bong Soo KIM, Hee Bum JUNG, Kwon Chul PARK, Seok Youl KANG	Electronics and Telecommunications Research Institute 161 Kojong-Dong, Yusong-Gu, Taejon, 305-350, Korea		
No additional names attached	and		
3. Nature of Conveyance: ⊠ assignment □ merger	Korea Telecommunication Authority 206 Jungia-Dong, Pundang-Gu, Sungnam, Kyunggi-do, 463-711, Korea		
 security agreement Change of name other 	No additional names(s) or address(es) attached D		
EXECUTI/ON DATE: June 26, 1999			
4. Application number(s) or patent number(s): THIS DOCUMENT IS NOT BEING FILED	WITH A NEW APPLICATION.		
A. Patent Application Number(s) 09/350,097, filed July 9, 1999	B. Patent Number(s)		
5. Name and address of party to whom correspondence concerning document should be mailed:	 6. Total number of applications and patents involved: 1 7. Total fee (37CFR 3.41) \$40.00 M Check enclosed 		
Name: ANTONELLI, TERRY, STOUT, KRAUS, LLP Address: Suite 1800 1300 North Seventeenth Street Arlington, VA 22209	 Check enclosed Charge any deficiencies in the payment of fees associated with this communication or credit any overpayment to DEPOSIT ACCOUNT NO. 01-2135 		

9. 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.

David S Le: (Reg. No. 38,222) Attorney for Applicant(s)

Varid 1. 1 Signature

March 28, 2000 Date

- Total number of pages including cover sheet, attachments and documents: 8
- Altor ley Docket # <u>967.37390X00</u>
- 1 # 04/24/2000 JJALLAH2 03000006 09350097

01 FC:581

	Docket No.: 967.37390X00			
FORM PTC-1598 PAR RECOR	26 – 1999 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
To the Honorable Commissioner of Patents and 101	.iginal documents or copy thereof.			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Bhum Cheol LEE. Bong Soo KIM, Hee Bum JUNG, Kwon Chul PARK, Seok Youl KANG	Name: Electronics and Telecommunications Research Institute			
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance: A ssignment Merger Security Agreement Change of Name NR 28 200 Other	Street Address: 161 Kojong-Dong, Yusong-Gu			
Execution Date: June 16, 1999	Additional name(s) & address(cs) attached? Types 💢 No			
If this document is being filed together with a new application, A. Patent Application No.(s)	B. Patent No.(s)			
	iched? 🗋 Yes 🕱 No			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: ANTONE L , TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41)\$40.00			
Internal Address:	 Enclosed Any deficiencies may be charged to deposit account Authorized to be charged to deposit account 			
Street Address: 1:00 North Seventeenth Street Suite 1800	 Deposit account number: 01-2135 (Attach duplicate copy of this page if paying by deposit account) 			
07/21 1999 5 10 10 00000 19 1893 0097 Zip: 22209				
03 FC:581 40.00 0P DO NOT USE THIS SPACE				
 9. Statement and signature. To the best of my knowledge and belief, the foregoing info of the original accument. <u>Donald E. Stout</u> Name of Person Signing Attorney Registrat on No. 26,422 	ormation is true and correct and any attached copy is a true copy <u>July 9, 1999</u> Date			

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to <u>ELECTRONICS AND</u> <u>TELE(COMMUNICATIONS RESEARCH INSTITUTE & KOREA TELECOMMUNICATION</u> <u>AUTHOFITY</u> of <u>161 Kajong-Dong, Yusong-Gu, Taejon, 305-350, Korea & 206</u> <u>Jungja-Dong, Pundang-Gu, Sungnam, Kyunggi-Do, 463-711, Korea</u> its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to the invention entitled:

MELHODS FOR CODING AND DECODING NIBBLE INVERSION CODES AND BLOCK

INVERSION CODES AND CODING AND DECODING APPARATUS FOR THE SAME

invented by me/us and described in this application for United States Letters Patent therefor, the specification of which

(check one)	<u> </u>	is attached hereto		
		was filed on		as
		Application serial No		
		and was amended on		
			(if applicable)	

and all continuations, and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said <u>Assignee</u>, its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

Ard I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

Ard I/we hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Assignee.

INVENTCR : Bhum Cheol LEE Citizenship : Korean Post Office Address : 161 Kajong-Dong, Yusong-Gu, Taejon, Korea

Residence : The same as above

Jun. 26, 1999

Date

ink

Signature

page 1 of 2

INVENTOR Bong Soo KIM Citizenship : Korean Post Office Address : 161 Kajong-Dong, Yusong-Gu,

Taejon, Korea

Residence : The same as above

26/Jun /1888 Date

Signature

INVENTOR Hee Bum JUNG Citizenship Korean Post Office Address 161 Kajong-Dong, Yusong-Gu, Taejon, Korea

Residence : The same as above

26/Jun/1999

Date

Hee Mom Jun

INVENTOR Kwon Chul PARK Citizenship : Korean Post Office Address : 161 Kajong-Dong, Yusong-Gu, Taejon, Korea

Residence : The same as above

Jun. =6, 1999 Date

123 Min

Signature

INVENTOR Seok Youl KANG Citizenship : Korean Post Office Address : 161 Kajong-Dong, Yusong-Gu, Taejon, Korea

Residence : The same as above

1889/6/26

Date

Signature

page 2 of 2



967.37390X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

- Applicant(s): **B. LEE ET AL.**
- Serial No.: 09/350,097
- Filed: July 9, 1999

For: METHODS FOR CODING AND DECODING NIBBLE INVERSION CODES AND BLOCK INVERSION CODES AND CODING AND DECODING APPARATUS FOR THE SAME

LETTER RESUBMITTING ASSIGNMENT

Assistant Commissioner for Patents Washirgton, D.C. 20231 March 28, 2000

SIR:

Applicants hereby resubmit the attached Assignment document, together with a corrected Recordation Cover Sheet, Notice of Recordation of Assignment Document and a copy of the Assignment document, as filed on July 9, 1999. The Recordation Cover Sheet submitted July 9, 1999, was clearly in error in indicating that no further addresses were attached. In view thereof, Applicants hereby resubmit the Assignment document with a corrected Recordation Cover Sheet, together with the statutory fee of \$40.00.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (967.37390X00) and please credit any excess fees to such deposit account.

> Respectfully submitted, ANTONELLI, TERRY, STOUT & KRAUS, LLP

David/S. Lee Registration. No. 38,222

DSL:alw (703) 312-6600

Name : Korea Telecommunication Authority

Address: 206 Jung a-Dong, Pundang-Gu, Sungnam Kyunggi-do, 463-71 Korea



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/09/1999	REEL/FRAME: 010111/0090 NUMBER OF PAGES: 4
BRIEF: ASBIGNMENT OF ASSIGNOR'S INTER	EST (SEE DOCUMENT FOR DETAILS).
ASSIGNOR: LEE, BHUM CHEOL	DOC DATE: 06/26/1999
ASSIGNOR: KIM, BONG SOO	DOC DATE: 06/26/1999
ASSIGNOR: JUNG, HEE BUM	DOC DATE: 06/26/1999
ASSIGNOR: PARK, KNON CHUL	DOC DATE: 06/26/1999
ASSIGNOR: KANG, SECK YOUL	DOC DATE: 06/26/1999
ASSIGNEE: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 161 KDJONG-DONG, YUSONG-GU	

TAEJEON 305-350, REPUBLIC OF KOREA

010111/009) PAGE 2

SERIAL NUMBER: 09350097 PATENT NUMBER: FILING DATE: 07/09/1999 ISSUE DATE:

STEVEN POSF, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS