

04-22-2003  
102426563

To the Honorable Commissioner of Patents and Trademarks

with the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Kwon-Hue Choi; Soo-Young Kim; Kwang-Jae Lim**

4.9.03

2. Name and address of receiving party(ies):  
Name: **Electronics and Telecommunications Research Institute**

Additional name(s) of conveying party(ies) attached?  
 No  Yes

Internal Address: \_\_\_\_\_  
Street Address: **161 Gajeong-dong, Yuseong-gu**

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

City: **Daejeon-city** State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
Country: **Republic of Korea**

Execution Date: 03/24/2003

Additional name(s) & address(es) attached?  No  Yes

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: 03/24/03

10410832

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  No  Yes

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

Name: Blakely, Sokoloff, Taylor & Zafman LLP

7. Total Fee (37 CFR 3.41).....\$ 40.00

Internal Address: \_\_\_\_\_

Enclosed  
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Street Address: 12400 Wilshire Boulevard  
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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

04/21/2003 TDIAZ1 00000049 022666 10410832

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**Eric S. Hyman**

Name of Person Signing

*[Signature]*  
Signature

4/9/03  
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:  
Assistant Commissioner of Patents, Box Assignments  
Washington, D.C. 20231

JCS971 U.S. PTO  
10/410832  
04/09/03

# ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, \_\_\_\_\_, the undersigned, CHOI, Kwon-Hue, KIM, Soo-Young, LIM, Kwang-Jae, and OH, Deock-Gil

Hereby sell, assign, and transfer to: Electronics and Telecommunications Research Institute a corporation of the Republic of Korea, having a principal place of business at: 161 Gajeong-dong, Yuseong-gu, Daejeon-city 305-350, Korea its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

which has been executed by the undersigned concurrently herewith,

which was filed \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_

and is entitled: CHANNEL TRANSMISSION SYMBOL GENERATING SYSTEM ON MULTI-CARRIER COMMUNICATION FOR REDUCTION OF MULTIPLE ACCESS INTERFERENCE, AND METHOD <sup>THEREOF</sup> and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and


Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: March 24, 2003

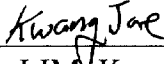
*Kwonhue Choi*  
Name: CHOI, Kwon-Hue

Docket No. 03364 PC84

Date: March 24, 2003

  
Name: KIM, Soo-Young

Date: March 24, 2003

  
Name: LIM, Kwang-Jae

Date: March 24, 2003

  
Name: OH, Deock-Gil

Docket No.

**RECORDED: 04/09/2003**

**PATENT**  
**REEL: 013969 FRAME: 0454**