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10/29/98

1. Name of conveying party(ies):
Tae Joong KIM
Seung Chan BANG
Ki Chul HAN

2. Name and address of receiving party(ies):
Name: Electronics and Telecommunications Research
Street Address: 161 Gajeong-Dong, Yuseong-Gu
City: Daejeon
State/Country: Korea
Zip:

U.S. PTO
09/18/98
10/29/98

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

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: October 15, 1998

4. Application number(s) or patent number(s): 09/181,970
If this document is being filed together with a new application, the execution date of the application is: October 15, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Cohen, Pontani, Lieberman & Pavane
Internal Address:
Street Address: 551 Fifth Avenue, 12th Floor
City: New York State: New York Zip: 10176

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41):.....\$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number: 03-2412
(Attach duplicate copy of this page if paying by deposit account)

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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.

Martin B. Pavane
Name of Person Signing
Reg. No. 28,337

Signature

October 29, 1998
Date

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

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

PATENT
REEL: 9557 FRAME: 0413

Attorney Docket Number:

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged,

We/I the undersigned, 1) TAE JOONG KIM, 2) SEUNG CHAN BANG, 3) KI CHUL HAN all at Electronics and Telecommunications Research Institute c/o, 161, Gajeong-Dong, Yuseong-Ku, Daejeon, Korea.

(hereinafter referred to as "ASSIGNOR").

Hereby sell, assign and transfer to _____

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

(hereinafter referred to as "ASSIGNEE"), a corporation of Republic of Korea,

having a place of business at

161, Gajeong-Dong, Yuseong-Ku, Daejeon, 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 was filed on _____ and accorded
U.S. Serial No. _____,

which has been executed by the undersigned concurrently herewith,
and is entitled Apparatus for making a random access to the reverse common channel system in CDMA and method therefor 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;

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.

TAE JOONG KIM

Kim, Tae Joong

Signature of First Inventor

SEUNG CHAN BANG

Bang, Seung Chan

Signature of Second Inventor

KI CHUL HAN

Han, Ki Chul

Signature of Third Inventor

Signature of Fourth Inventor

Witness(es)

1) Jeong Sook Yi

Date : October 15, 1998

Signature Jeong S. Yi

2) Yong Ho Son

Date : October 15, 1998

Signature Yong H. Son