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Attorney Docket No.: 4576-81

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Jong Oh KIM
Kyu Ho LEE
Bong Tae KIM

Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies):
Name: **(1) Electronics and Telecommunications Research Institute (2) Korea Telecom**
Internal Address:
Street Address: **(1) 161 Gajung-Dong, Yusong-ku, (2) 100 Sejongno, Chongno-ku,**
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3. Nature of Conveyance
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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 7/1/98;
A. Patent Application No.(s) N/A B. Patent No.(s): N/A
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Martin B. Pavane, Esq.
Internal Address: Cohen, Pontani, Lieberman & Pavane
Street Address: 551 Fifth Avenue, Suite 1210
City: New York State: NY ZIP: 10176

6. Total number of applications and patents involved: [1]
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PATENT

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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,

JONG OH KIM, KYU HO LEE & BONG TAE KIM

(hereinafter referred to as "ASSIGNOR").

Hereby sell, assign and transfer to ELECTRONICS AND TELECOMMUNICATIONS

RESEARCH INSTITUTE & KOREA TELECOM

(hereinafter referred to as "ASSIGNEE"), a corporation of REPUBLIC OF KOREA, respectively,

having a place of business at 161 GAJUNG-DONG, YUSONG-KU, DAEJEON, KOREA &

100 SEJONGNO, CHONGNO-KU, SEOUL, 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 CUSTOMER PREMISE NETWORK EQUIPMENT AND DATA COMMUNICATION
METHOD BASED ON SINGLE RING CONFIGURATION

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.

Date: 07/01/1998
month/day/year



Signature of First Inventor

Witness

Witness

Date: 07/01/1998
month/day/year

[Signature]
Signature of Second Inventor

Witness

Witness

Date: 07/01/1998
month/day/year

BongJae
Signature of Third Inventor

1
Witness

Witness

Date: _____
month/day/year

Signature of Fourth Inventor

Witness

Witness

Date: _____
month/day/year

Signature of Fifth Inventor

Witness

Witness

Date: _____
month/day/year

Signature of Sixth Inventor

Witness

Witness