

12-30-2003

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Recordation Form

PATENT

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12.16.03

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Byoung-Whi Kim; Hyeong-Ho Lee2. 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, 305-350 State: \_\_\_\_\_ ZIP: \_\_\_\_\_Country: KoreaExecution Date: 12/2/03Additional 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: 12/2/03

A. Patent Application No.(s)

10738570

B. Patent No.(s)

Additional numbers attached? ☒ No ☐ Yes

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

Name: Blakely, Sokoloff, Taylor & Zafman LLP

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

Street Address: 12400 Wilshire Boulevard  
7th FloorCity: Los Angeles State: CA ZIP: 900256. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41).....\$ 40.00☒ Enclosed  
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*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.*Eric S. Hyman

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December 16, 2003

Date

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Docket No. 3364P156

PATENT  
REEL: 014823 FRAME: 08332386 U.S. PTO  
10738570

121603

# ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, \_\_\_\_\_, the undersigned, KIM, Byoung-Whi, and LEE, Hyeong-Ho  
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, Yusong-gu, Daejeon-city 305-350,  
Korea ; ("Assignee")  
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. \_\_\_\_\_

OPTICAL COMMUNICATION NODE SYSTEM, ALL-OPTICAL PACKET ROUTING SYSTEM,  
and is entitled: AND ALL-OPTICAL PACKET ROUTING METHOD AND ALL-OPTICAL PACKET ROUTING  
NETWORK USING THE NODE AND ROUTING SYSTEMS

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: Dec. 2, 2003

Kim Byoung-Whi  
Name: KIM, Byoung-Whi

Date: Dec. 2, 2003

Hyeong Ho Lee  
Name: LEE, Hyeong-Ho

Docket No. 03364.P156