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UNITED STATES OF AMERICA

23 January 2006

INTELLECTUAL PROPERTY LAW

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- ☐ Via Local Courier
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**Mail Stop Patent Application**

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Attorney Docket: P57716

Sir:

Submitted herewith is the following patent application:

**Inventor(s):** 1) KI-CHEOL LEE 2) KEE-SUNG NAM

**Title:** APPARATUS AND METHOD FOR PROVIDING MULTI  
PROTOCOL LABEL SWITCHING (MPLS)-BASED VIRTUAL  
PRIVATE NETWORK (VPN)

Please find attached hereto an application for patent which includes: Specification and Abstract,  
Claims, Formal drawings, Information Disclosure Statement, Proprietary Material, original Declaration  
And Power of Attorney, Assignment, and certified copy of foreign priority document identified below.

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 5 sheets, Figures 1 through 5

Claim of priority under 35 U.S.C. §119: **YES**

\*\* The Republic Of Korea Application No. 10-2005-0006401 filed on 23 January 2005

**FEE (see formula below): CHECK IS ENCLOSED (#50294 & # 50295)**

**Filing Fee** \$300/150 ..... **\$300.00**

**Search Fee** \$500/250 ..... **\$500.00**

**Examination Fee** \$200/150 ..... **\$200.00**

**Additional Fees:**

Total number of claims in excess of 20: 0 times \$50/25 ..... **\$0.00**

Number of independent claims in excess of 3: 0 times \$200/100 ..... **\$0.00**

Multiple Dependent Claims \$360/180 ..... **\$0.00**

An Assignment is likewise enclosed: Recording Fee \$40 ..... **\$40.00**

Filing Non-English specification ..... **\$0.00**

**TOTAL FEES FOR THE ABOVE APPLICATION** ..... **\$1,040.00**

012306

113010 U.S. PTO  
11/336878  
012306

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PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# **FEE TRANSMITTAL** **For FY 2005**

☐ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$) **\$1,040.00**

## **Complete if Known**

Application Number	to be assigned
Filing Date	23 January 2006
First Named Inventor	KI-CHEOL LEE
Examiner Name	to be assigned
Art Unit	to be assigned
Attorney Docket No.	P57716

## **METHOD OF PAYMENT (check all that apply)**

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☒ Check Nos. #50294, #50295

☒ Deposit Account Deposit Account Number: 02-4943 Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## **FEE CALCULATION**

### **1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	\$1,000.00
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### **2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

**Total Claims** 19 - 20 or HP = none x \$50.00 = none

HP = highest number of total claims paid for, if greater than 20

**Indep. Claims** 2 - 3 or HP = none x \$200.00 = none

HP = highest number of independent claims paid for, if greater than 3

**Multiple Dependent Claims**  
**Fee (\$)** \$360.00 **Fee Paid (\$)** none

### **3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets** 34 - 100 = none / 50 = none (round up to a whole number) x none = none

### **4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Assignment Recordation

**Fees Paid (\$)**  
none  
\$40.00

## **SUBMITTED BY**

Signature	<u>Robert E. Bushnell</u>	Registration No. (Attorney/Agent)	<u>27,774</u>	Telephone	<u>(202) 408-9040</u>
Name (Print/Type)	<u>Robert E. Bushnell</u>			Date	<u>January 23, 2006</u>

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

REB/fw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KI-CHEOL LEE *et al.*

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 23 January 2006

Art Unit: *to be assigned*

For: APPARATUS AND METHOD FOR PROVIDING MULTI PROTOCOL LABEL SWITCHING (MPLS)-BASED VIRTUAL PRIVATE NETWORK (VPN)

**TRANSMITTAL OF PROPRIETARY MATERIAL UNDER MPEP §724**

**Mail Stop Patent Application**

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

Accompanying this transmittal is a "PROPRIETARY MATERIAL NOT OPEN TO PUBLIC. TO BE OPENED ONLY BY EXAMINER OR OTHER AUTHORIZED U.S. PATENT AND TRADEMARK OFFICE EMPLOYEE" being submitted for consideration under MPEP §724.

In re Application of: KI-BEOM PARK

Application No.: *to be assigned* (Applicant's Docket No. P57717)

Filed: 23 January 2006

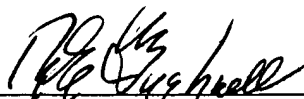
For: APPARATUS AND METHOD FOR PROCESSING MULTIPLE PROTOCOL LABEL SWITCHING PACKET

TC Art Unit: *to be assigned*

Examiner: *to be assigned*

It is respectfully requested that this Application be maintained confidential pursuant to 35 U.S.C. §122. No waiver of the statutory right of secrecy is granted or implied by the disclosure of the U.S. Application Serial No. - *to be assigned* - to KI-BEOM PARK, entitled *APPARATUS AND METHOD FOR PROCESSING MULTIPLE PROTOCOL LABEL SWITCHING PACKET*, in the accompanying Information Disclosure Statement.

Respectfully submitted,



Robert E. Bushnell

Reg. No.: 27,774

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Washington, D.C. 20005

Area Code: 202-408-9040

Folio: P57716

Date: 23 January 2006

I.D.: REB/fw

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of;

KI-CHEOL LEE *et al.*

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 23 January 2006

Art Unit: *to be assigned*

For: APPARATUS AND METHOD FOR PROVIDING MULTI PROTOCOL LABEL  
SWITCHING (MPLS)-BASED VIRTUAL PRIVATE NETWORK (VPN)

**TRANSMITTAL OF DECLARATION**

**Mail Stop Patent Application**

Commissioner for Patents

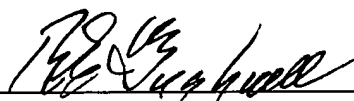
P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

This transmittal accompanies the original Declaration for the above-referenced application.

Respectfully submitted,



Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

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Folio: P57716  
Date: 1/23/06  
I.D.: REB/fw