#### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
Kyung-Gyu CHUN	09/18/2009
Soon Seok LEE	09/18/2009

#### **RECEIVING PARTY DATA**

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#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12607208

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NAME OF SUBMITTER: J. Randall Beckers

Total Attachments: 1

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\$40.00

PATENT REEL: 023437 FRAME: 0817

Docket No.

### U.S. ASSIGNMENT

S&H 7/0

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

## ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 161 Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

# MULTICASTING METHOD IN NETWORK INCLUDING T-MPLS NETWORK AND WDM NETWORK AND APPARATUS THEREFOR

relating to International Patent Application was executed on even date herewith or, if not so executed, was:	and/or for which application for Letters Patent of the United States
(a) executed on;	(Insert date of execution of application, if not concurrent)
(b) filed on; Scrial No;	Any registered attorney of STAAS & HALSEY LLP, 1201 New York Ave., N.W., Suite 700, Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.
renewal, substitute, reissue or reexamination application b	ted States granted on said application and any continuation, division, ased thereon, for the full term or terms for which the said Letters treof (collectively, hereinafter, "said application(s) and Letters
to do all acts which the ASSIGNEE may deem necessary, protection for said invention, including in the preparation Patent(s), in any interference, reissue, reexamination, or puwhich may arise or be declared in relation to same, such as	EIGNEE and without charge to but at the expense of said ASSIGNEE, desirable or expedient, for securing, maintaining and enforcing and prosecution of said application(s) and the issuance of said Letters ublic use proceeding, and in any litigation or other legal proceeding cts to include but not be limited to executing all papers, including eaths, providing sworn testimony, and obtaining and producing
IN WITNESS WHEREOF, the undersigned inventor(s) (Typed Name & Signature of Inventor(s)) (Date	
1) ZHA A CHUN, Kyung-Gyu	2009-09-18 The GIL, 5in Young
2) LEE, Soon Seok 2009-	-of-18 The GIL, 3in Young

PATENT REEL: 023437 FRAME: 0818

**RECORDED: 10/28/2009**