PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Beom-Hwan CHANG	04/28/2009
Chi-Yoon JEONG	04/28/2009
Seon-Gyoung SOHN	04/28/2009
Soo-Hyung LEE	05/12/2009
Hyo-Chan BANG	05/12/2009
Geon-Lyang KIM	04/28/2009
Hyun-Joo KIM	04/28/2009
Won-Joo PARK	05/12/2009
Jong-Ho RYU	04/28/2009
Jong-Hyun KIM	04/28/2009
Jong-Soo JANG	04/28/2009
Sung-Won SOHN	05/12/2009
Jung-Chan NA	04/28/2009

RECEIVING PARTY DATA

Name:	Electronics and Telecommunications Research Institute
Street Address:	161 Gajeong-dong
City:	Yusong-gu, Daejeon
State/Country:	REPUBLIC OF KOREA
Postal Code:	305-350

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12516494

CORRESPONDENCE DATA

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PATENT REEL: 022740 FRAME: 0509 12516497 - \$40.00

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ATTORNEY DOCKET NUMBER: CS7-012US

NAME OF SUBMITTER: EuiHoon Lee

Total Attachments: 6

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> PATENT REEL: 022740 FRAME: 0510

ASSIGNMENT

We, Beom-Hwan CHANG of 405-1205 Expo Apt., Junmin-dong, Yuseong-gu, Daejeon 305-762, Republic of Korea; Chi-Yoon JEONG of #302, 140-8 Sinsung-dong, Yuseong-gu, Daejeon 305-804. Republic of Korea; Seon-Gyoung SOHN of 55-25 Gayang2-dong, Dong-gu, Daejeon 300-802, Republic of Korea: Soo-Hyung LEE of 107-1006 Lucky-Hana Apt., Sinsung-dong, Yuseong-gu, Dacjeon 305-721, Republic of Korea; Hyo-Chan BANG of 918-8 Jijok-dong, Yuseong-gu, Dacjeon 305-330, Republic of Korea: Geon-Lyang KIM of #327, Dormitory of ETRI, 236-1 Gajeong-dong, Yuseong-gu, Daejeon 305-350. Republic of Korea; Hyun-Joo KIM of 902-106 Mokdong Apt., Sinjung1-dong, Yangcheon-gu, Seoul 158-071, Republic of Korea: Won-Joo PARK of 904-1603 Youlmaemaeul Apt., 521 Noeun-dong, Yuseong-gu, Daejeon 305-325, Republic of Korea; Jong-Ho RYU of A-203 Shinhan-Homfficetel, Bongmyung-dong, Cheonan, Choongcheongnam-do 330-100, Republic of Korea; Jong-Hyun KIM of 2-104 KAIST Apt., 383-1 Doryong-dong, Yuseong-gu, Daejeon 305-340, Republic of Korea; Jong-Soo JANG of 303-903 Expo Apt., Junmin-dong, Yuseong-gu, Daejeon 305-761, Republic of Korea; Sung-Won SOHN of 161 Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea and Jung-Chan NA of 121-206 Hanvit Apt., Eoeun-dong, Yuseong-gu, Daejeon 305-755, Republic of Korea, in consideration of One Dollar and other valuable consideration paid to us by

having its principal place of business at 161 Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

APPARATUS AND METHOD FOR VISUALIZING NETWORK SITUATION USING SECURITY CUBE

described in an application

L	executed.	by us	ΟÍ	even	date	herewith	and a	ibout	to	be filed	

X	Serial No.	12/516494	filed on May 27, 2009

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said assignee and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said assignee, with specifications and claims in such form as shall be approved by the counsel of said assignee and to vest and confirm in said assignee, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said assignee, its successors and assigns.

PATENT REEL: 022740 FRAME: 0511

WITNESS my hand and seal	
By: 4066	
CHANG, Beom-Hwan	
Date: April of, soo?	
Witnesses:	
Witness 1 GIL, Jin Young	April 28, 2007 Date
Witness 1 GIL, Jin Young	
SIN	April 28. 2009 Date
Witness 2 LEE, J. A	Date
WITNESS my hand and seal	
By: Joy My an	
Date: April 27, 2009	
Witnesses:	
Witness 1 GIL, Jin Young	April 26, 2008 Date
Witness I GIL, Jan Joung	
Witness 2 LIF. T. A	April 28, 2009 Date
Witness 2 LEE, J. A	
WITNESS my hand and seal	
Zh.	
SOHN, Seon-Gyoung	
Date: April 28, 2009	
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Witnesses:	
7	Nana
Witness 1 GIL, Fin Young	Date
412	FIDM 28 2009
Vitness 2	Date

WITNESS my hand and seal	
By:	
LEE, Soo-Hyung	
Date: May. 12, 2009	
	실수 있는 사람들이 되었다.
Witnesses:	
24 Company	May 12, 2009 Date
Witness 1 GIL, Jin Young	Date
M	May 12, 2009 Date
Witness 2 LEE, J. A	*Date
회 선생님들은 이 화수를 받게 생각되었다.	
WITNESS my hand and seal	
By: (Johns)	
By: Dongs BANG, Hyo-Chan	
Date: May 12, 2009	살면 된 법을 보고 기온다고 되다.
Witnesses:	
7/2	May 12, 2008
Witness 1 GIL, Jin Young	May (2, 2009 Date
	May 12, 2009
Witness 2 LEE, J. A	Date
WITNESS my hand and seal	
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By:	
KIM, Geon-Lyang	
Date: April. 20. 2009.	
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Vitnesses:	
with $g_{\mu a}$, $g_{\mu a}$, $g_{\mu a}$	April 28 2009
Vitness 1 GIL, Tin Young	Date
Vitness 1 GIL, Sin Young	有一点 人名特尔克 人名英格兰 医多种性病 化二十二基乙
	April 28, 2009
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WITNESS my hand and seal	
By: KIM, Hyun-Joo	
Date: April 38 3007	
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	April >8, 2009
Witness 1 GIL. Sin towns	April >8 >009 Date
M	April 28,2009
Witness 2 LEE, J. A	Date
WITNESS my hand and seal	
Parks	
By: PARK, Won-Joo	
Date: Mary 12, 2008	
Witnesses:	
	May 12, 2009 Date
Witness 1 GIL, In Young	
1	May 12, 2009 Date
Witness 2 LEE, Ji A	Date
WITNESS my hand and seal	
13	
By: RYU, Jong-Ho	
Date: April 28 2009	
Date: Tyriles	
Witnesses:	
the state of the s	April 24, 2009
Witness 1 GIL, Jin Young	Date
SU	April 28, 2009
Witness ?	Date

WITNESS my hand and seal	
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By: KIM, Jong-Hyun	
Date: Apr./ 28 2009	
Witnesses:	
the contract of the second second	April >6, 2009 Date
Witness 1 GIL Jin Young	Date
\mathcal{A}	April 28,2009
Witness 2 LEE, Ji A	Date
WITNESS my hand and seal	
24 3 2	
By: JANG, Jong-Soo	
Date: $April. \rightarrow \delta. \rightarrow oop$	
Witnesses:	
2h	April 28, 2009 Date
Witness 1 GIL, JTA YOUNG	Date
	April 28, 2009
Witness 2 LEE, Ji A	Date
WITNESS my hand and seal	
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By: 4.W. 40Mm SOHN, Sung-Won	
Date: May 15, 2009	
Witnesses:	
Withesses.	May 19, 2009
The state of the s	
Witness 1 GIL, Jin Young	Date
The state of the s	

	Atty. Docket No
By: NA, Jung-Chan	
Date: And of wo	
Witnesses:	April 28, 2009
Witness 1 GIL, Jin Young	Date ADWI 282ma

Date

Witness 2