

11-24-1999

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



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U.S. Department of Commerce  
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*CORR.*  
*9-27-99*

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#### Conveyance Type

Assignment  Security Agreement

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#### Conveying Party(ies)

Mark if additional names of conveying parties attached

Name	Execution Date		
	Month	Day	Year
Name (line 1) Chang, Gee-Kung	09	02	1998
Name (line 2)			
<b>Second Party</b>			
Name (line 1) Yoo, Sung Joo	09	10	1998
Name (line 2)			

#### Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Bell Communications Research, Inc.

Name (line 2) A Delaware Corporation

Address (line 1) 445 South Street

Address (line 2)

Address (line 3) Morristown  New Jersey  07960

City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

#### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

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09/28/1999 DNGUYEN 00000312 021820 09118437  
01 FC:581 40.00 CH

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PATENT  
REEL: 010258 FRAME: 0466

**Correspondent Name and Address**

Area Code and Telephone Number

973-829-2352

Name Joseph Giordano, Esq.

Address (line 1) Bell Communications Research, Inc.

Address (line 2) 445 South Street - Room 1G-112R

Address (line 3) Morristown, New Jersey 07960

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 1

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09118437

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:  
Deposit Account

Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number:

# 02-1820

Authorization to charge additional fees:

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**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.


Joseph Giordano

Name of Person Signing

Signature

7/3/97

Date

10-05-1998  
  
100844458

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Name (line 1)	<input type="text" value="Chang, Gee-Kung"/>	Execution Date Month Day Year	<input type="text" value="09/02/1998"/>
Name (line 2)	<input type="text"/>		
<b>Second Party</b>		Execution Date Month Day Year	
Name (line 1)	<input type="text" value="Yoo, Sung Joo"/>		<input type="text" value="09/10/1998"/>
Name (line 2)	<input type="text"/>		

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Name (line 2)

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Address (line 2)

Address (line 3)

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10/02/1998 TTON11 00000263 021820 09118437  
01 FC:501 40.00 CH

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Joseph Giordano

Name of Person Signing

Signature

Date

9/25/93

ASSIGNMENT

KNOW, ALL MEN, BY THESE PRESENTS THAT

WHEREAS, I/we, **Gee-Kung Chang, Sung Joo Yoo** have invented certain useful improvements in "High Throughput, Low-Latency Next Generation Internet Networks Using Optical Tag Switching" described in an application for Letters Patent Serial No. 09/118,437, filed July 17, 1998; and

WHEREAS, Bell Communications Research, Inc., a corporation of the State of Delaware, having a place of business at 445 South Street, Morristown, NJ 07960, United States of America, for the benefit of itself and its successors and assigns, all inclusively hereinafter referred to as "Assignee", is desirous of acquiring all rights, title, and interest in and to said application, all inventions disclosed therein, and any and all Letters Patent of the United States of America, and of all other countries, which may be granted for said inventions, or any of them; and

WHEREAS, I/we hereby represent and warrant to Assignee that I/we have, with respect to third parties, full and unencumbered rights, title, and interest in and to said application, inventions, and Letters Patent, and further that I/we may freely assign the same;

NOW, THEREFORE, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/we do hereby sell, assign, and transfer to Assignee all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed therein, and all divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and of all other countries, and all reissues thereof, which may be granted for said inventions, or any of them, together with the right to make application for any and all of the same;

TO HAVE, HOLD, AND ENJOY said inventions, said application and rights, and said Letters Patent, or any of them, to its own use and behoof to the full end of the term or terms for which said applications may endure and for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment not been made;

AND I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks to issue or reissue such Letters Patent as may be granted on said application, on any division or continuation thereof, or for said inventions, or any of them, to Assignee in accordance with the terms of this instrument;

AND I/WE HEREBY agree that I/we shall, at the request of Assignee and without demand of further consideration, but at no expense to me/us, do all lawful and just acts, including execution and acknowledgment of instruments, furnishing information, and giving testimony, particularly in the event of interference or litigation, indicated by counsel for Assignee to be necessary for obtaining, maintaining, and perfecting the property rights, or any of them, hereby assigned.

IN WITNESS WHEREOF, I/we hereunto set my/our hand and seal on the day and year indicated.

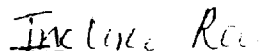
  
Gee-Kung Chang

Date: 9/2/98

County of ) Monmouth  
State of ) ss: NJ

Then personally appeared before me on the indicated date(s) the above-named **Gee-Kung Chang**, to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

9.2.98  
Date

  
INDIRA RAIKUNDALIA  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 19, 1999

*[Handwritten signature]*

Date: 7/10/98

**Sung Joo Yoo**

County of ) MONMOUTH  
State of ) ss: NJ

Then personally appeared before me on the indicated date(s) the above-named **Sung Joo Yoo**, to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

7-10-98  
Date

*Witness*  
*[Handwritten signature]*  
**INDIRA RAIKUNDALIA**  
**NOTARY PUBLIC OF NEW JERSEY**  
My Commission Expires July 19, 1999