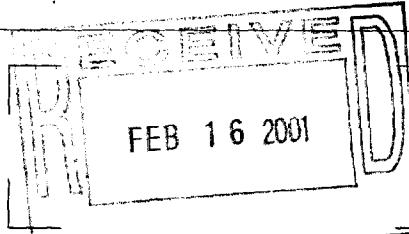


MB
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03-14-2001

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



101635386

Patent and Trademark Office
PATENT

**RECORDATION FORM COVER SHEET
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☒ Assignment ☐ Security Agreement

☐ License ☐ Change of Name

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☒ Mark if additional names of conveying parties attached

Name (line 1)	<input type="text" value="Chang, Gee-Kung"/>	Execution Date Month Day Year <input type="text" value="01/16/2001"/>
Name (line 2)	<input type="text"/>	
Second Party		
Name (line 1)	<input type="text" value="Chowdhury, Arshad M."/>	Execution Date Month Day Year <input type="text" value="01/16/2001"/>
Name (line 2)	<input type="text"/>	

Receiving Party

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Name (line 1)	<input type="text" value="Telcordia Technologies, Inc."/>		<input type="checkbox"/> 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.)
Name (line 2)	<input type="text" value="A Corporation of the State of Delaware"/>		
Address (line 1)	<input type="text" value="445 South Street"/>		
Address (line 2)	<input type="text"/>		
Address (line 3)	<input type="text" value="Morristown"/>	<input type="text" value="New Jersey"/>	<input type="text" value="07960"/>
	City	State/Country	Zip Code

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Enter for the first Receiving Party only.

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PATENT

REEL: 011572 FRAME: 0617

Correspondent Name and Address

Area Code and Telephone Number

(973) 829 - 2352

Name Joseph Giordano, Esq.

Address (line 1) Telcordia Technologies, Inc.

Address (line 2) 445 South Street

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.

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2

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)

09772428

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

PCT

PCT

PCT

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PCT

Number of Properties

Enter the total number of properties involved.

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1

Fee Amount

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

40.00

Method of Payment:

Enclosed ☐

Deposit Account ☒

Deposit Account

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

Deposit Account Number:

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02-1820

Authorization to charge additional fees:

Yes



No



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

Date

2/13/01

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PATENTS ONLY

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Patent and Trademark Office
PATENT

Conveying Party(ies)

Enter additional Conveying Parties

☐ Mark additional names of conveying parties attached

Name (line 1) Ellinas, Georgios

Name (line 2)

Name (line 1)

Name (line 2)

Name (line 1)

Name (line 2)

Execution Date
Month Day Year
01/16/2001

Execution Date
Month Day Year

Execution Date
Month Day Year

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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Name (line 2)

Address (line 1)

Address (line 2)

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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)

ASSIGNMENT OF APPLICATION

WHEREAS, I/we, **Gee-Kung Chang, Arshad M. Chowdhury and Georgios Ellinas** have invented certain useful improvements in "**Optical Layer Multicasting Using Multiple Sub-Carrier Headers with Header Detection, Deletion, and Insertion Via Reflective Single Sideband Optical Processing**" described in an application for Letters Patent; and

WHEREAS, I/we, hereby authorize and request my/our attorney to insert below the filing date and application number when they become known to comply with 37 CFR 3.21 for recordal of this assignment:
U. S. Application No. 09 / 772,428 filed on January 30, 2001; and

WHEREAS, Telcordia Technologies, 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;

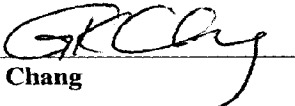
NOW, THEREFORE, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/we do hereby sell, assign, and transfer to Assignee all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed 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: 1/16/01

County of MORRIS)
State of New Jersey) ss:

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.

01/16/01
Date



NOTARY PUBLIC
JOSEPH A. D'AVANZO
A Notary Public of New Jersey
My Commission Expires 3/25/01

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




Arshad M. Chowdhury

Date: 01/16/2001

County of **MORRIS**)
State of **New Jersey**) ss:


Then personally appeared before me on the indicated date(s) the above-named **Arshad M. Chowdhury** 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.

01/16/01
Date



NOTARY PUBLIC
JOSEPH A. D'AVANZO
A Notary Public of New Jersey
My Commission Expires 3/25/01

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



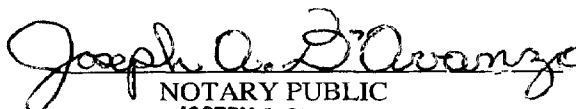
Georgios Ellinas

Date: 01/16/2001

County of **MORRIS**)
State of **New Jersey**) ss:

Then personally appeared before me on the indicated date(s) the above-named **Georgios Ellinas** 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.

01/16/01
Date



NOTARY PUBLIC
JOSEPH A. D'AVANZO
A Notary Public of New Jersey
My Commission Expires 3/25/01