15-21-02

PATENT

Attorney Docket No. APP 1347-US (UC02-406-1)

Applicant: GEE-KUNG CHANG; ARSHAD M. CHOWDHURY; GEORGIOS ELLINAS
Serial No.: 09/772,387
Filed: JANUARY 30, 2001
Title: OPTICAL LAYER MULTICASTING USING A MULTIPLE SUB-CARRIER HEADER AND A MULTICAST SWITCH WITH ACTIVE HEADER INSERTION VIA SINGLE SIDEBAND OPTICAL PROCESSING
Group:
Examiner:

05-24-2002
102102994

BOX ASSIGNMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

ASSIGNMENT (DOCUMENT) COVER LETTER

PATENT OR PATENT APPLICATION

5-20-02

1. **NAMES OF PARTY(IES) MAKING TRANSFER**

Name 1: TELCORDIA TECHNOLOGIES, INC.
445 SOUTH STREET
MORRISTOWN, NEW JERSEY 07960

2. **IDENTITY OF PARTY(IES) TO WHOM TRANSFER IS MADE**

This transfer is being made to:

Name: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
Address: 1111 FRANKLIN STREET, 12TH FLOOR
OAKLAND, CA 94607-5200

3. **INTENTION OF DOCUMENT**

A brief description of what the accompanying document intends to accomplish is that it is an:

X Assignment

_ License

_ Security Interest

_ Other

05/24/2002 TDIAZ1 00000023 09772387
01 FC:581 40.00 OP

4. **IDENTIFICATION OF PATENT OR APPLICATION**

Particulars of the patent or application to which the accompanying document applies are:

Inventor(s): GEE-KUNG CHANG; ARSHAD M. CHOWDHURY; GEORGIOS ELLINAS

For (title): OPTICAL LAYER MULTICASTING USING A MULTIPLE SUB-CARRIER HEADER AND A MULTICAST SWITCH WITH ACTIVE HEADER INSERTION VIA SINGLE SIDEBAND OPTICAL PROCESSING

(a) __ U.S. patent application filed herewith.

(b) X U.S. patent application serial no. 09/772,387 filed on JANUARY 30, 2001 .

(c) __ U.S. patent no. _____ issued _____.

5. **NAME AND ADDRESS TO WHICH CORRESPONDENCE SHOULD BE MAILED**

Please address all correspondence and return the recorded document to:

John P. O'Banion
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814

6. **NUMBER OF APPLICATIONS OR PATENTS IDENTIFIED AND TOTAL FEE DUE**

The number of applications or patents identified herein is: 1

Total Fee Due $ 40.00

7. **DATE DOCUMENT WAS EXECUTED**

The accompanying document was executed on: March 22, 2002 .

8. **FEE PAYMENT**

Fee payment is provided for as follows:

__ New Application transmittal (Item 18 - INCLUDED IN FILING FEE)

__ FWC Transmittal (Item VII)

__ Transmittal of Filing under 37 CFR 1.60(b) (Item 11)

X Attached is a check in the sum of $40.00

X Charge Account No. 07-1137 **if any additional fee is due.**

_ Charge Account No. ____ in the sum of _____ A duplicate of this transmittal is attached.

9. **STATEMENT OF AUTHENTICITY**

The undersigned certifies that, to the best of his or her knowledge and belief, the information contained in this cover sheet is true and correct, and any copy of the document submitted for recording is a true copy of the original document.

10. **SIGNATURE**

Dated: 5/10/02.

John P. O'Banion, Reg. No. 33,201
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814
(916) 498-1010

ASSIGNMENT

WHEREAS, Telcordia Technologies, Inc., a Delaware corporation having offices at 445 South Street, Morristown, New Jersey 07960, ("Telcordia"), owns, by assignment, all right, title, and interest in US Letters Patent and US Patent Applications listed in Appendix A attached hereto, including any inventions claimed therein, related to inventions in Optical Label Switching Technology; and

WHEREAS, Regents of the University of California, on behalf of its Santa Barbara campus' College of Engineering (UCSB), looks forward to developing a mutually beneficial relationship with Science Applications International Corporation and its subsidiary, Telcordia Technologies, Inc, and desires to own Telcordia's entire right, title, and interest in and to the inventions, in all countries throughout the world, and in and to the US Letters Patent and Patent Applications listed in Appendix A;

WHEREAS, Telcordia and UCSP have entered into a Gift Agreement on even date herewith under which Telcordia has agreed to transfer all its rights, title and interests in such U.S. Letters Patent and US Patent Applications; and

NOW THEREFORE, be it known that, for good and valuable consideration, receipt of which is hereby acknowledged;

Subject to any licenses and rights previously granted, TELCORDIA HEREBY donates, assigns, transfers, and sets over to UCSB, its lawful successors and assigns, Telcordia's entire right, title, and interest in and to the US Issued Patents and US Patent Applications listed in Appendix A, the inventions claimed therein, and all Letters Patent of the United States that may be granted thereon, and all continuations, divisions, reissues, reexaminations, and extensions thereof; and all rights to claim priority on the basis of such application, and all applications for Letters Patent that have been or may be filed for the inventions in any foreign country and all Letters Patent that may be granted on the inventions in any foreign country, and all extensions, renewals, and reissues thereof; and Telcordia hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for these inventions to UCSB, its successors and assigns, in accordance with the terms of this Assignment;

AND, TELCORDIA HEREBY further covenants that Telcordia has the full right to convey the interest assigned by this Assignment, Telcordia will take all action and execute all documents necessary to perfect the interest assigned hereby, and Telcordia has not executed and will not execute any agreement in conflict with this Assignment;

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

Date: 3/22/02

Grant Clark, CVP and General Counsel
Telcordia Technologies, Inc.

County of Morris)
State of New Jersey) ss:

Then personally appeared before me on the indicated date(s) the above-named **Grant Clark**, 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.

3/22/02
Date

NOTARY PUBLIC

JOSEPH A. D'AVANZO
A NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES MARCH 25, 2008

ATTACHMENT A

US PATENT AND PATENT APPLICATIONS TO BE ASSIGNED TO UCSB

FORM	PATENT or SERIAL NUMBER	ISSUE [Patent] or FILING [Application] DATE	TITLE
Patent	6,271,946	8/7/01	Optical Layer Survivability and Security System Using Optical Label Switching and High-Speed Optical Header Generation and Detection
Patent	6,233,075	5/15/01	Optical Layer Survivability and Security System
Patent	6,219,161	4/17/01	Optical Layer Survivability and Security System
Patent	6,160,651	12/12/00	Optical Layer Survivability and Security System Using Optical Label Switching and High-Speed Optical Header Reinsertion
Patent	6,111,673	08/29/00	High-Throughput, Low Latency Next Generation Networks Using Optical Tag Switching
Application	09/774,289	1/30/01	Optical Layer Multicasting Using a Single Sub-Carrier Header and a Multicast Switch with Active Header Insertion via Reflective Single Sideband Optical Processing
Application	09/774,264	1/30/01	Secure Optical Layer Multicasting To Effect Survivability
Application	09/772,508	1/30/01	Optical Layer Multicasting Using a Single Sub-Carrier Header and a Multicast Switch with Active Header Insertion via Single Sideband Optical Processing
Application	09/772,507	1/30/01	Optical Layer Multicasting Using Multiple Sub-Carrier Headers and a Multicasting Switch

FORM	PATENT or SERIAL NUMBER	ISSUE [Patent] or FILING [Application] DATE	TITLE
Application	09/772,504	1/30/01	Optical Layer Multicasting Using a Multiple Sub-Carrier Header and a Multicast Switch with Active Header Insertion via Reflective Single Sideband Optical Processing
Application	09/772,502	1/30/01	Optical Layer Multicasting Using a Single Sub-Carrier Header and a Multicast Switch with Active Header Detection
Application	09/772,492	1/30/01	Optical Layer Multicasting Using a Single Sub-Carrier Header with Active Header Detection, Deletion and New Header Insertion via Opto-Electrical Processing
Application	09/772,480	1/30/01	Optical Layer Multicasting Using a Multicasting Switch to Effect Survivability and Security
Application	09/772,479	1/30/01	Optical Layer Multicasting
Application	09/772,465	1/30/01	Optical Layer Multicasting Using a Single Sub-Carrier Header and a Multicast Switch with Active Header Insertion via Light Circulation
Application	09/772,430	1/30/01	Optical Layer Multicasting Using a Multiple Sub-Carrier Header with Header Detection, Deletion and Insertion via Transmit Single Sideband Optical Processing
Application	09/772,428	1/30/01	Optical Layer Multicasting Using a Multiple Sub-Carrier Header with Header Detection, Deletion and Insertion via Reflective Single Sideband Optical Processing
Application	09/772,415	1/30/01	Optical Layer Multicasting Switch

FORM	PATENT or SERIAL NUMBER	ISSUE [Patent] or FILING [Application] DATE	TITLE
Application	09/772,400	1/30/01	Optical Layer Multicasting Using a Single Sub-Carrier Header with Active Header Detection, Deletion and Re-Insertion via a Circulating Optical Path
Application	09/772,392	1/30/01	Optical Layer Multicasting Using a Single Sub-Carrier Header and an Optical Multicasting Switch
Application	09/772,387	1/30/01	Optical Layer Multicasting Using a Multiple Sub-Carrier Header and a Multicast Switch with Active Header Insertion via Single Sideband Optical Processing
Application	09/755,276	1/5/01	High-Throughput, Low-Latency Next Generation Internet Networks Using Optical Tag Switching
Application	09/436,472	11/8/99	High-Throughput, Low Latency Next Generation Networks Using Optical Tag Switching
Application	09/436,082	11/8/99	High-Throughput, Low Latency Next Generation Internet Networks Using Optical Label Switching and High-Speed Optical Header Generation, Detection, and Reinsertion
Application	09/353,228	07/14/99	High-Throughput, Low Latency Next Generation Internet Networks Using Optical Label Switching and High-Speed Optical Header Generation, Detection, and Reinsertion
Application	09/353,226	07/14/99	High-Throughput, Low Latency Next Generation Internet Networks Using Optical Label Switching and High-Speed Optical Header Generation, Detection, and Reinsertion

FORM	PATENT or SERIAL NUMBER	ISSUE [Patent] or FILING [Application] DATE	TITLE
Application	09/352,095	07/14/99	High-Throughput, Low Latency Next Generation Internet Networks Using Optical Label Switching and High-Speed Optical Header Generation, Detection, and Reinsertion
Application	09/339,995	06/25/99	High-Throughput, Low Latency Next Generation Internet Networks and High-Speed Optical Header Generation, Detection, and Reinsertion