

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	TO CORRECT AN ERROR MADE IN A PREVIOUSLY RECORDED DOCUMENT THAT ERRONEOUSLY AFFECTS THE IDENTIFIED PATENT
CONVEYING PARTY DATA	
Name	Execution Date
NORTEL NETWORKS LIMITED	05/05/2011
RECEIVING PARTY DATA	
Name:	NORTEL NETWORKS LIMITED
Street Address:	WORLD TRADE CENTER OF MONTREAL
Internal Address:	380 ST. ANTOINE STREET WEST, 8TH FLOOR
City:	MONTREAL, QUEBEC
State/Country:	CANADA
Postal Code:	H2Y 3Y4
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	6229633
CORRESPONDENCE DATA	
Fax Number:	(202)778-2201
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2029551500
Email:	patdcdoCKET@hunton.com
Correspondent Name:	HUNTON & WILLIAMS
Address Line 1:	1900 K. STREET, N.W.
Address Line 2:	SUITE 1200
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20006
ATTORNEY DOCKET NUMBER:	57983.000343
NAME OF SUBMITTER:	Thomas E. Anderson

Total Attachments: 12
 source=ID0613, 08865492 - RobertsDeclaration#page1.tif

501528154

PATENT
REEL: 026262 FRAME: 0908

CH \$40.00 6229633

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source=ID0613, 08865492 - RobertsDeclaration#page12.tif

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

NORTEL NETWORKS LIMITED

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) May 5, 2011

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☒ Other Correct error made in previous recording

2. Name and address of receiving party(ies)

Name: NORTEL NETWORKS LIMITED

Internal Address: World Trade Center of Montreal

Street Address: 380 St. Antoine Street West, 8th Floor

City: Montreal

State: Quebec

Country: Canada Zip: H2Y 3Y4

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

6,229,633

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Hunton & Williams

Internal Address: Intellectual Property

Street Address: 1900 K. Street, N.W.

Suite 1200

City: Washington

State: DC Zip: 20006

Phone Number: 202-955-1500

Fax Number: 202-778-2201

Email Address: patcdocket@hunton.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

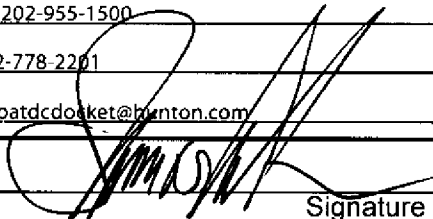
- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 14-1315

Authorized User Name Thomas E. Anderson

9. Signature:


Signature

5/16/11
Date

THOMAS E. ANDERSON
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

12

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :
Kim Byron ROBERTS et al. : Group Art Unit: 2632
U.S. Application No.: 08/865,492 : Examiner: Tweel Jr., John
Filed: May 29, 1997 :
U.S. Patent No.: 6,229,633 : Confirmation No.: 8520
Issued: May 8, 2001 : Customer No.: N/A
For: OPTICAL SAMPLING BY :
MODULATING A PULSE TRAIN :

Mail Stop Assignment Services Division
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**DECLARATION IN SUPPORT OF REQUEST TO REMOVE INVENTOR ASSIGNMENT
IMPROPERLY FILED AND RECORDED AGAINST OWNER'S PATENT APPLICATION**

Sir:

I, Charles William Juhn, hereby declare that
I am authorized to sign this declaration on behalf of Nortel
Networks Limited, the true owner of U.S. Application No.
08/865,492 (the '492 application), and that a change of name
document was improperly filed and recorded against the '492
application as evidenced by the following:

1. The '492 application was filed on May 29, 1997 (see
attached Exhibit A).

2. The '492 application issued as U.S. Patent No.
6,229,633 (the '633 patent) on May 8, 2001 (see attached Exhibit
A).

3. A first assignment document was improperly recorded against the '492 application on March 26, 1997, at Reel 008653 / Frame 0252. The first assignment document, which was executed on March 26, 1997, assigned all right, title, and interest from inventors/assignors Christine Noel Metz and Richard J. Bucala to The Picower Institute for Medical Research (see attached Abstract at Exhibit B).

4. The assignment document recorded at Reel 008653 / Frame 0252 shows the title of application as "Vaccine Adjuvant" with a filing date of March 26, 1997. The '492 application identified above was filed on May 29, 1997, and is titled "Optical Sampling by Modulating a Pulse Train." Based on the filing date of the "Vaccine Adjuvant" application, the invention title recited in the assignment document recorded at Reel 008653 / Frame 0252, and the '492 application identified above, the assignment recorded at Reel 008653 / Frame 0252 was improperly recorded in the '492 application.

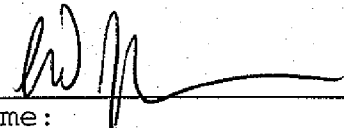
5. A second assignment document was properly recorded against the '492 application on April 28, 2011 at Reel 026198 / Frame 0418. The second assignment document, which was executed on April 4, 1997, assigned all right, title, and interest in the '492 application, including any and all division applications based thereon, from inventors/assignors Kim Byron Roberts and Anagnostis Hadjifotiou to assignee Northern Telecom Limited (see attached Exhibit C).

6. The change of name documents recorded at Reel 011643 / Frame 0758; Reel 010567 / Frame 0001; Reel 011643 / Frame 0704; and Reel 011195 / Frame 0706, were properly recorded against the '492 application, ultimately resulting in assignment to Nortel Networks Limited (see attached Exhibit C).

7. Since May 1, 2000, Nortel Networks Limited has been and continues to be the owner/assignee of the '492 application by virtue of the name change document that was properly recorded against the '492 application on March 21, 2001, at Reel 011643 / Frame 0704 (see attached Exhibit C).

I further hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DECLARANT:


Name:

Nortel Networks Limited

Date:

May 5, 2011

U.S. Application No.: 09/713,292

EXHIBIT A



US006229633B1

(12) **United States Patent**
Roberts et al.

(10) **Patent No.:** **US 6,229,633 B1**
 (45) **Date of Patent:** ***May 8, 2001**

(54) **OPTICAL SAMPLING BY MODULATING A PULSE TRAIN**

(75) **Inventors:** **Kim Byron Roberts**, Welwyn Garden City; **Anagnostis Hadjifotiou**, Harlow, both of (GB)

(73) **Assignee:** **Nortel Networks Limited**, Montreal (CA)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) **Appl. No.:** **08/865,492**

(22) **Filed:** **May 29, 1997**

(30) **Foreign Application Priority Data**

Dec. 19, 1996 (GB) 9626373

(51) **Int. Cl.⁷** **H04J 14/08**

(52) **U.S. Cl.** **359/135; 359/139; 359/181**

(58) **Field of Search** **359/135, 245, 359/264, 237, 238, 181, 139**

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,881,788 * 11/1989 Doran 350/96.15
 5,150,248 * 9/1992 Alfano et al. 359/264
 5,369,520 11/1994 Avramopoulos et al. .
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 5,434,692 7/1995 Auffret et al. .
 5,444,560 8/1995 Barnsley .
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 5,548,433 8/1996 Smith .

5,574,588 11/1996 Kawanishi et al. .
 5,644,665 * 7/1997 Burns et al. 359/238
 5,774,246 * 6/1998 Bulow 359/139
 5,781,326 * 7/1998 Chiaroni et al. 359/237
 5,822,103 * 10/1998 Boroson 359/181
 6,067,180 * 5/2000 Roberts 359/181

FOREIGN PATENT DOCUMENTS

2302225A 1/1997 (GB) H04B/10/17
 WO93/15566
 A1 8/1993 (WO) .
 WO94/23507
 A1 10/1994 (WO) .

OTHER PUBLICATIONS

IEEE Photonics Technology, vol. 8, Sep. 96 "10 Gbs Wavelength Conversion with Integrated Multiquantum-Well-Based Three-Port Mach-Zehnder Interferometer" Idler et al.

Photonics Technology Letters, vol. 2, No. 6, Jun. 1990, p404-406 "Optimization of Strongly Guiding Semiconductor Rib Waveguide Y-Junctions" Claude Rolland, D M Adams, David Yevick and Bjorn Hermansson.

(List continued on next page.)

Primary Examiner—Jeffery Hofsass

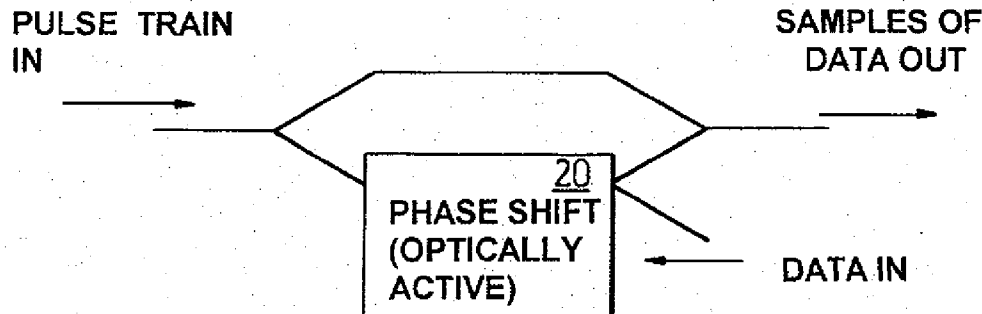
Assistant Examiner—John Tweel, Jr.

(74) *Attorney, Agent, or Firm*—Lee, Mann, Smith, McWilliams, Sweeny & Ohlson

(57) **ABSTRACT**

An interferometer, such as a Mach-Zehnder type is fed with a pulse train. One arm is fed with a data stream, so as to modulate the pulse train according to the data stream. This enables the data stream to be regenerated, or sampled without converting from optical form into electrical form. Thus all optical regeneration, multiplexing, demultiplexing or retiming to remove jitter, can be achieved. An optical amplifier (20) in one arm of the interferometer enables the interference condition of the interferometer to be varied, to cause the pulse train to be modulated by the data.

19 Claims, 18 Drawing Sheets



INTERFEROMETER ARRANGEMENT

U.S. Application No.: 09/713,292

EXHIBIT B

08-26-1997

RECO

100517885

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No. 0701

To the Assistant Commissioner for Patents:

Please record the attached original documents or copy thereof.

08865492

1. A. Name of conveying party(ies):

Christine Noël Metz

Richard J. Bucala

MRD 3-26-97

B. Additional conveying party(ies) name(s) attached?

Yes ☐ No ☒

2. A. Name and address of receiving party(ies):

The Picower Institute for Medical Research
350 Community Drive
Manhasset, New York 11030

3. A. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other

B. Execution Date: 26 March 1997

B. Additional name(s) & address(es) attached?

Yes ☐ No ☒

4. A. If this document is being filed together with a new application, the execution date of the application is: 26 March 1997

B. Patent Application No.(s)

D. Additional numbers attached? Yes ☐ No ☒

C. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jeffrey B. Oster

Address:

The Picower Institute for Medical Research
350 Community Drive
Manhasset, New York 11030

6. Total number of applications and patents involved: one (1).

7. Total fee (37 CFR 3.41).....\$40.00

8. Charge the above fee and credit any overpayment or charge any underpayment to deposit account number:

9. 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.

Date: March 26, 1997

Jeffrey B. Oster

Registration No. 32,585

Total number of pages including cover sheet, attachments, and document: 2

2/94

08/25/1997 TIDW11 00000560 08865492
01 FC:581 40.00 00

PATENT
REEL: 8653 FRAME: 0252

PATENT
REEL: 026262 FRAME: 0917

ASSIGNMENT

WHEREAS, We, Christine Noël Metz, residing at 25 South Drive, Great Neck, New York 11021, and Richard J. Bucala, residing at 22 Benenson Drive, Cos Cob, Connecticut 06807, are the inventors named in an application for a Letters Patent of the United States entitled **VACCINE ADJUVANT**, said application filed on March 26, 1997:

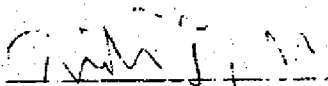
AND, WHEREAS, **THE PICOWER INSTITUTE FOR MEDICAL RESEARCH**, a not-for-profit medical research organization of the State of Florida, having administrative offices at 350 Community Drive, Manhasset, New York 11030 (hereinafter referred to as ASSIGNEE) is desirous of acquiring the entire right, title and interest in the invention described in the said application;

NOW, THEREFORE, for sufficient, good and valuable consideration, the receipt of which is hereby acknowledged, we do hereby sell, assign, and transfer unto said ASSIGNEE, our entire right, title to and interest in said application and said inventions and all applications and patent on said invention(s) to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by us had this sale, assignment, and transfer not been made, and we do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said invention(s), to enforce any and all patents on said invention(s), and to confirm in ASSIGNEE legal title to said invention(s) and all applications and patents on said invention(s), all without charge to ASSIGNEE but at no expense to us.

Executed at Manhasset, New York, this 26th day of March, 1997


Christine Noël Metz

Executed at Manhasset, New York, this 26th day of March, 1997.


Richard J. Bucala

RECORDED: 03/26/1997

PATENT
REEL: 8653 FRAME: 0253

PATENT
REEL: 026262 FRAME: 0918

U.S. Application No.: 09/713,292

EXHIBIT C



Assignments on the Web > Patent Query

Patent Assignment Abstract of Title

*NOTE: Results display only for issued patents and published applications.
For pending or abandoned applications please consult USPTO staff.*

Total Assignments: 7

Patent #: 6229633

Issue Dt: 05/08/2001

Application #: 08865492

Filing Dt: 05/29/1997

Inventors: KIM BYRON ROBERTS, ANAGNOSTIS HADJIFOTIOU

Title: OPTICAL SAMPLING BY MODULATING A PULSE TRAIN

Assignment: 1

Reel/ Frame: 008653/0252

Recorded: 03/26/1997

Pages: 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: METZ, CHRISTINE NOEL

Exec Dt: 03/26/1997

BUCALA, RICHARD J.

Exec Dt: 03/26/1997

Assignee: PICOWER INSTITUTE FOR MEDICAL RESEARCH, THE

350 COMMUNITY DRIVE

MANHASSET, NEW YORK 11030

Correspondent: THE PICOWER INSTITUTE FOR MEDICAL
RESEARCH

JEFFREY B. OSTER

350 COMMUNITY DRIVE

MANHASSET, NY 11030

Assignment: 2

Reel/ Frame: 008594/0590

Recorded: 05/29/1997

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: ROBERTS, KIM BYRON

Exec Dt: 04/04/1997

HADIJIFOTIOU, ANAGNOSTIS

Exec Dt: 04/04/1997

Assignee: WORLD TRADE CENTER OF MONTREAL

380 ST ANTOINE STREET WEST, 8TH FLOOR

MONTREAL, QUEBEC H2Y 3Y4, CANADA

Correspondent: NORTHERN TELECOM INCORPORATED
JOHN D. CRANE

MAIL STOP C0419

P.O. BOX 833858

RICHARDSON, TX 75083-3858

Assignment: 3

Reel/ Frame: 026198/0418

Recorded: 04/28/2011

Pages: 4

Conveyance: CORRECTIVE ASSIGNMENT TO CORRECT THE SPELLING OF THE INVENTOR'S LAST NAME AND THE NAME OF THE RECEIVING PARTY PREVIOUSLY RECORDED ON REEL 008594 FRAME 0590. ASSIGNOR(S) HEREBY CONFIRMS THE INVENTOR'S LAST NAME IS HADJIFOTIOU AND THE NAME OF THE RECEIVING PARTY IS NORTHERN TELECOM LIMITED.

Assignors: ROBERTS, KIM BYRON

Exec Dt: 04/04/1997

HADJIFOTIOU, ANAGNOSTIS

Exec Dt: 04/14/1997

Assignee: NORTHERN TELECOM LIMITED

WORLD TRADE CENTER OF MONTREAL

380 ST. ANTOINE STREET WEST, 8TH FLOOR

MONTREAL, QUEBEC, CANADA H2Y 3Y4

Correspondent: HUNTON & WILLIAMS
1900 K. STREET, N.W.

SUITE 1200
WASHINGTON, DC 20006

Assignment: 4

Reel/ Frame: 011643/0758

Recorded: 03/19/2001

Pages: 3

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: NORTHERN TELECOM LIMITED

Exec Dt: 04/27/1999

Assignee: NORTEL NETWORKS CORPORATION

WORLD TRADE CENTER OF MONTREAL, 380 ST. ANTOINE STREET WEST, 8TH FLOOR
MONTREAL, QUEBEC H2Y 3Y4, CANADA

Correspondent: LEE, MANN, SMITH, MCWILLIAMS, ET AL.

WILLIAM M. LEE, JR.

P.O. BOX 2786

CHICAGO, IL 60690-2786

Assignment: 5

Reel/ Frame: 010567/0001

Recorded: 12/23/1999

Pages: 62

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: NORTHERN TELECOM LIMITED

Exec Dt: 04/29/1999

Assignee: NORTEL NETWORKS CORPORATION

WORLD TRADE CENTER OF MONTREAL, 380 ST. ANTOINE STREET WEST, 8TH FLOOR
MONTREAL, QUEBEC, CANADA H2Y 3

Correspondent: NORTEL NETWORKS, INC.

W. GLEN JOHNSON

P.O. BOX 832130

RICHARDSON, TX 75083-2130

Assignment: 6

Reel/ Frame: 011643/0704

Recorded: 03/21/2001

Pages: 7

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: NORTEL NETWORKS CORPORATION

Exec Dt: 05/01/2000

Assignee: NORTEL NETWORKS LIMITED

380 ST. ANTOINE STREET WEST, 8TH FLOOR
WORLD TRADE CENTER OF MONTREAL
MONTREAL, QUEBEC H2Y 3Y4, CANADA

Correspondent: LEE, MANN, SMITH, MCWILLIAMS, SWEENEY &

OHLSON - WILLIAM M. LEE, JR.

PO BOX 2786

CHICAGO, IL 60690-2786

Assignment: 7

Reel/ Frame: 011195/0706

Recorded: 08/30/2000

Pages: 251

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: NORTEL NETWORKS CORPORATION

Exec Dt: 08/30/2000

Assignee: NORTEL NETWORKS LIMITED

WORLD TRADE CENTER OF MONTREAL
380 ST. ANTOINE STREET WEST, 8TH FLOOR
MONTREAL, QUEBEC, CANADA H2Y 3

Correspondent: NORTEL NETWORKS LIMITED

W. GLEN JOHNSON

2100 LAKESIDE BLVD.

M/S 468/05/B10, 1P LAW GROUP

RICHARDSON, TX 75082-4399

Search Results as of: 05/10/2011 11:27 AM

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350. v.2.1
Web interface last modified: Apr 30, 2009 v.2.1

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