

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHYFLEX NETWORKS, INC.	09/17/2007

RECEIVING PARTY DATA

Name:	CIENA CORPORATION
Street Address:	1201 Winterson Road
City:	Linthicum
State/Country:	MARYLAND
Postal Code:	21090

PROPERTY NUMBERS Total: 13

Property Type	Number
Patent Number:	7146630
Patent Number:	7072360
Application Number:	11180889
Application Number:	11894711
Application Number:	11226019
Application Number:	60877296
Patent Number:	6948000
Application Number:	11179849
Application Number:	11849750
Patent Number:	7139247
Patent Number:	7027394
Patent Number:	6968170
Application Number:	11222480

CORRESPONDENCE DATA

PATENT

500359171

REEL: 019850 FRAME: 0865

OP \$520.00 7146630

Fax Number: (704)366-9744

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 704-366-6642

Email: bbrown@worldpatents.com

Correspondent Name: Christopher L. Bernard

Address Line 1: 1901 Roxborough Road

Address Line 2: Suite 300

Address Line 4: Charlotte, NORTH CAROLINA 28211

ATTORNEY DOCKET NUMBER:

13 DOCKETS

NAME OF SUBMITTER:

Christopher L. Bernard

Total Attachments: 6

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ASSIGNMENT AGREEMENT REGARDING PATENT RIGHTS

THIS ASSIGNMENT AGREEMENT REGARDING PATENT RIGHTS is entered into as of date last executed below by and between Ciena Corporation, a Delaware corporation ("Buyer") with offices at 1201 Winterson Road, Linthicum, Maryland 21090, and Phyflex Networks, Inc. (formerly known as Narad Networks, Inc.), a Delaware corporation ("Seller") with offices at 515 Groton Road, Westford, MA 01886.

WHEREAS, Phyflex Networks, Inc. (formerly known as Narad Networks, Inc.), a Delaware corporation with offices at 515 Groton Road, Westford, MA 01886 (the "Assignor"), is the sole owner of the entire right, title and interest in, to, and under the patents and pending patent applications listed on the attached Schedule A (the "Patents"); and

WHEREAS, Ciena Corporation, a Delaware corporation with offices at 1201 Winterson Road, Linthicum, Maryland 21090 (the "Assignee"), has acquired all right, title and interest in, to and under said Patents pursuant to an Asset Purchase Agreement of even date herewith between Assignor and Assignee;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby assigns and transfers to Assignee, its successors and assigns, all of Assignor's right, title and interest in, to and under the Patents, as well as all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for inventions embodied by the Patents in any country or countries foreign to the United States, and all Letters Patent which may be granted for said inventions embodied by the Patents in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the Patents in the United States which are created by any law, treaty or international convention (all of which shall be included in the term "Patents"); and Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on any such applications as aforesaid, to issue all Letters Patent for said inventions to Assignee, its successors and assigns, in accordance with the terms of this instrument.

AND Assignor does hereby covenant that it has full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

AND Assignor does further hereby covenant and agree that it will communicate to Assignee, its successors and assigns, any facts known to it respecting the Patents, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce any attendant rights in all countries.

ACCEPTED AND AGREED:

CIENA CORPORATION

By: 
Authorized Signature

Gary B. Smith
Name (Typed or Printed)

President & CEO
Title

Date: 9/17/2007

PHYFLEX NETWORKS, INC.

By: _____
Authorized Signature

Name (Typed or Printed)

Title

Date: _____

[Signature Page to Patent Assignment]

ACCEPTED AND AGREED:

CIENA CORPORATION

By: _____
Authorized Signature

Name (Typed or Printed)

Title

Date: _____

PHYFLEX NETWORKS, INC.

By: *[Signature]*
Authorized Signature

DAVID J JULLIAN
Name (Typed or Printed)

CFO
Title

Date: 9/17/2007

[Signature Page to Patent Assignment]

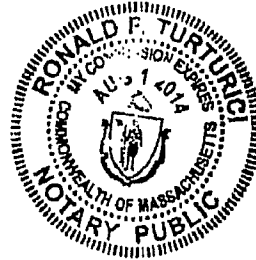
ACKNOWLEDGEMENT

STATE OF MA)
COUNTY OF Middlesex)
SS

On this 17th day of Sept, 2007 before me personally appeared Daniel J Sullivan, to me personally known, who, being duly sworn, did say that he/she is the CFO of Seller and that he/she duly executed the foregoing instrument for and on behalf of Seller being duly authorized to do so and that said individual acknowledged said instrument to be the free act and deed of Seller.

Ronald P. Turturici
Notary Public

My commission expires: 8/1/2014



SCHEDULE A

Title	Application/ Patent No.	Filing/ Issue Date
Broadband System with Intelligent Network Architecture (NNET-001)	7,146,630	12/5/2006
Broadband System with Intelligent Network Architecture (PEP-001)	01973405.2	9/20/2001
Network Architecture for Intelligent Network Elements (NNET-003)	7,072,360	7/4/2006
Network Architecture for Intelligent Network Elements (NNET-003)	11/180,889	7/12/2005
Network Architecture for Intelligent Network Elements (NNET-003)	11/894,711	8/20/2007
Device, System, Method for Transporting Data with Broadband Legacy (NNET-027)	11/226,019	9/14/2005
Device, System, Method for Transporting Data with Broadband Legacy (NNET-027)	WO 2007/037890 PCT/US2006/ 033673	8/28/2006
Exo-Modular, Outdoor, MultiPHY Ethernet Switch (NNET-028)	60/877,296	12/27/2006
System and Method for Mapping Enduser IDs to Devices (NNET-006)	6,948,000	9/20/2005
System and Method for Mapping Enduser IDs to Devices (NNET-006)	11/179,849	7/11/2005
System and Method for Mapping Enduser IDs to Devices (NNET-006)	11/849,750	8/20/2007
Broadband System with Topology Discovery (NNET-010)	7,139,247	11/21/2006
Broadband System with Traffic Policing and Transmission Scheduling (NNET-013)	7,027,394	4/11/2006
Adaptive Correction of a Received Signal Frequency Response Tilt (NNET-024)	6,968,170	11/22/2005
Adaptive Correction of a Received Signal Frequency Response Tilt (NNET-024)	11/222,480	9/8/2005
Slicer Circuit With Ping Pong Scheme For Data Communication	10/012,681	11/13/2001
System and Method for Network Service Provisioning	CA 2,446,961	11/06/2003

Delaware

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The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED ARE TRUE AND CORRECT COPIES OF ALL DOCUMENTS FILED FROM AND INCLUDING THE RESTATED CERTIFICATE OR A MERGER WITH A RESTATED CERTIFICATE ATTACHED OF "PHYFLEX NETWORKS, INC." AS RECEIVED AND FILED IN THIS OFFICE.

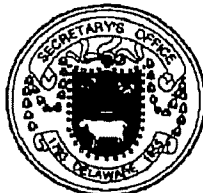
THE FOLLOWING DOCUMENTS HAVE BEEN CERTIFIED:

RESTATED CERTIFICATE, FILED THE FIFTEENTH DAY OF FEBRUARY, A.D. 2007, AT 10:54 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, CHANGING ITS NAME FROM "NARAD NETWORKS, INC." TO "PHYFLEX NETWORKS, INC.", FILED THE FIRST DAY OF MAY, A.D. 2007, AT 3:45 O'CLOCK P.M.

3153607 8100X

071012892



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 5996700

DATE: 09-13-07