PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3731197

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROMUALDAS ARMOLAVICIUS	02/08/2016
TODD MORRIS	02/08/2016
PETAR DJUKIC	02/08/2016

RECEIVING PARTY DATA

Name:	CIENA CORPORATION
Street Address:	7035 RIDGE ROAD
City:	HANOVER
State/Country:	MARYLAND
Postal Code:	21076

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15018132

CORRESPONDENCE DATA

Fax Number: (704)366-9744

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: patlaw@worldpatents.com **CLEMENTS BERNARD PLCC** Correspondent Name: Address Line 1: 4500 CAMERON VALLEY PKWY

Address Line 2: SUITE 350

Address Line 4: CHARLOTTE, NORTH CAROLINA 28211

ATTORNEY DOCKET NUMBER:	10.2353	
NAME OF SUBMITTER:	CHRISTOPHER L. BERNARD	
SIGNATURE:	/Christopher L. Bernard/	
DATE SIGNED:	02/09/2016	

Total Attachments: 3

source=10_2353_Assignment#page1.tif source=10_2353_Assignment#page2.tif source=10_2353_Assignment#page3.tif

> **PATENT** REEL: 037689 FRAME: 0398 503684561

Attorney Docket No.: 10.2353 PATENT

ASSIGNMENT

WHEREAS, Romualdas ARMOLAVICIUS, Todd MORRIS, and Petar DJUKIC (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

TRAFFIC-ADAPTIVE NETWORK CONTROL SYSTEMS AND METHODS

for which an application for a United States patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, Ciena Corporation, 7035 Ridge Road, Hanover, MD 21076 USA (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title, and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, in accordance with obligations entered into pursuant to an Employment Agreement or other agreement and/or for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, transfer and assign to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNORS' entire right, title, and interest in and to said invention and improvements invented and originated by ASSIGNORS in the United States and its territorial possessions and in any and all foreign countries and to all Letters Patent or similar legal protections in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any application claiming priority to/from the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension, or reissue thereof or any legal equivalent thereof in a foreign country for the full term(s) for which the same may be granted; and authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereof, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any administrative proceeding or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and/or enforce said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set hand and signed on the date indicated below:

Romualdas Armolavicius (Feb 8, 2016)	Date:	Feb 8, 2016
Romualdas ARMOLAVICIUS		
	Date:	
Todd MORRIS		
	Date:	
Petar DJUKIC		

Attorney Docket No.: 10.2353 PATENT

ASSIGNMENT

WHEREAS, Romualdas ARMOLAVICIUS, Todd MORRIS, and Petar DJUKIC (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

TRAFFIC-ADAPTIVE NETWORK CONTROL SYSTEMS AND METHODS

for which an application for a United States patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, Ciena Corporation, 7035 Ridge Road, Hanover, MD 21076 USA (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title, and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon:

NOW, THEREFORE, in accordance with obligations entered into pursuant to an Employment Agreement or other agreement and/or for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, transfer and assign to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNORS' entire right, title, and interest in and to said invention and improvements invented and originated by ASSIGNORS in the United States and its territorial possessions and in any and all foreign countries and to all Letters Patent or similar legal protections in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any application claiming priority to/from the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension, or reissue thereof or any legal equivalent thereof in a foreign country for the full term(s) for which the same may be granted; and authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereof, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any administrative proceeding or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and/or enforce said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set hand and signed on the date indicated below:

	Date:
Romualdas ARMOLAVICIUS	Name of the state
Todd Movus Todd Monis (Feb 8, 2016)	Date: Feb 8, 2016
Todd MORRIS	
	Date:
Petar D.HIKIC	

Attorney Docket No.: 10.2353 PATENT

ASSIGNMENT

WHEREAS, Romualdas ARMOLAVICIUS, Todd MORRIS, and Petar DJUKIC (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

TRAFFIC-ADAPTIVE NETWORK CONTROL SYSTEMS AND METHODS

for which an application for a United States patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, Ciena Corporation, 7035 Ridge Road, Hanover, MD 21076 USA (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title, and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, in accordance with obligations entered into pursuant to an Employment Agreement or other agreement and/or for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, transfer and assign to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNORS' entire right, title, and interest in and to said invention and improvements invented and originated by ASSIGNORS in the United States and its territorial possessions and in any and all foreign countries and to all Letters Patent or similar legal protections in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any application claiming priority to/from the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension, or reissue thereof or any legal equivalent thereof in a foreign country for the full term(s) for which the same may be granted; and authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereof, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any administrative proceeding or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and/or enforce said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set hand and signed on the date indicated below:

	Date:	
Romualdas ARMOLAVICIUS		
	Date:	
Todd MORRIS		
Petar Djukic (Feb sl Zoub)	Date:	Feb 8, 2016
Petar DJUKIC		

PATENT REEL: 037689 FRAME: 0401