

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jeffrey Scott Moynihan	11/07/2011
Jack K. Oltman	11/07/2011
Trevor John Ibach	11/07/2011
Trevor Donald Corkum	11/07/2011
RECEIVING PARTY DATA	
Name:	Ciena Corporation
Street Address:	1201 Winterson Road
City:	Linthicum
State/Country:	MARYLAND
Postal Code:	21090
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13290653
CORRESPONDENCE DATA	
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Correspondent Name:	Clements Bernard PLLC
Address Line 1:	1901 Roxborough Road
Address Line 2:	Suite 250
Address Line 4:	Charlotte, NORTH CAROLINA 28211
ATTORNEY DOCKET NUMBER:	10.2086
NAME OF SUBMITTER:	Christopher L. Bernard

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**PATENT
 REEL: 027186 FRAME: 0158**

Total Attachments: 4

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ASSIGNMENT

WHEREAS, **Jeffrey Scott Moynihan, Jack K. Oltman, Trevor John Ibach, and Trevor Donald Corkum** (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

OPTICAL TRANSPORT NETWORK PORT PROTECTION SYSTEMS AND METHODS USING FLEXIBLE SWITCH CRITERIA

for which U.S. Patent Application No. 13/290,653 was filed on 11-07-2011.

WHEREAS, **CIENA CORPORATION**, 1201 Winterson Road, Linthicum, Maryland 21090 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 interference 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.

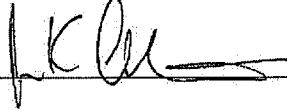
[Signature Page Follows]

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

Full Name of Sole/First Inventor: **Jeffrey Scott Moynihan**

Inventor's Signature:  Date: 11/7/11

Full Name of Joint/Second Inventor: **Jack K. Oltman**

Inventor's Signature:  Date: 11/7/2011

Full Name of Joint/Third Inventor: **Trevor John Ibach**

Inventor's Signature: _____ Date: _____

Full Name of Joint/Fourth Inventor: **Trevor Donald Corkum**

Inventor's Signature: _____ Date: _____

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

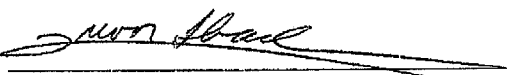
Full Name of Sole/First Inventor: **Jeffrey Scott Moynihan**

Inventor's Signature: _____ Date: _____

Full Name of Joint/Second Inventor: **Jack K. Oltman**

Inventor's Signature: _____ Date: _____

Full Name of Joint/Third Inventor: **Trevor John Ibach**

Inventor's Signature:  Date: Nov 7/2011

Full Name of Joint/Fourth Inventor: **Trevor Donald Corkum**

Inventor's Signature: _____ Date: _____

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

Full Name of Sole/First Inventor: **Jeffrey Scott Moynihan**

Inventor's Signature: _____ Date: _____

Full Name of Joint/Second Inventor: **Jack K. Oltman**

Inventor's Signature: _____ Date: _____

Full Name of Joint/Third Inventor: **Trevor John Ibach**

Inventor's Signature: _____ Date: _____

Full Name of Joint/Fourth Inventor: **Trevor Donald Corkum**

Inventor's Signature:  Date: **Nov 7/11**