PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VAGISH MADRAHALLI	05/06/2010
SATISH GOPALAKRISHAN	05/06/2010
RICHARD CONKLIN	05/06/2010
GUSTAV K. LARSSON	05/06/2010

RECEIVING PARTY DATA

Name:	CIENA CORPORATION
Street Address:	1201 Winterson Road
City:	Linthicum
State/Country:	MARYLAND
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12775930

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ATTORNEY DOCKET NUMBER:	10.1984 - CIENA
NAME OF SUBMITTER:	Christopher L. Bernard

Total Attachments: 3

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ASSIGNMENT

WHEREAS, **Vagish Madrahalli, Satish Gopalakrishan, Richard Conklin, and Gustav K. Larsson** (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

DYNAMIC TRAIL TERMINATION POINT CREATION FOR OPTICAL TRANSPORT NETWORKS

for which U.S. Patent Application No. 12/775,930 was filed on 05/07/2010.

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: Vagish Madrahalli

Inventor's Signature: _____ Date: 05/06/2010

Full Name of Joint/Second Inventor: Satish Gopalakrishan

Inventor's Signature: _____ Date: 5/6/2010.

Full Name of Joint/Third Inventor: Richard Conklin

Inventor's Signature: _____ Date: 5/6/10

Full Name of Joint/Fourth Inventor: Gustav K. Larsson

Inventor's Signature: _____ Date: _____

Attorney Docket No.: 10.1984

PATENT

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

Full Name of Sole/First Inventor: Vagish Madrahalli

Inventor's Signature: _____ Date: _____

Full Name of Joint/Second Inventor: Satish Gopalakrishan

Inventor's Signature: _____ Date: _____

Full Name of Joint/Third Inventor: Richard Conklin

Inventor's Signature: _____ Date: _____

Full Name of Joint/Fourth Inventor: Gustav K. Larsson

Inventor's Signature: Gustav K. Larsson Date: May 6, 2010