

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2713664

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DAVID W. BOERTJES</td> <td>02/04/2014</td> </tr> <tr> <td>KEVIN MACNEILL</td> <td>02/05/2014</td> </tr> <tr> <td>JAMIE GAUDETTE</td> <td>02/05/2014</td> </tr> </tbody> </table>		Name	Execution Date	DAVID W. BOERTJES	02/04/2014	KEVIN MACNEILL	02/05/2014	JAMIE GAUDETTE	02/05/2014		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>CIENA CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>7035 RIDGE ROAD</td> </tr> <tr> <td>City:</td> <td>HANOVER</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>21076-1426</td> </tr> </table>		Name:	CIENA CORPORATION	Street Address:	7035 RIDGE ROAD	City:	HANOVER	State/Country:	MARYLAND	Postal Code:	21076-1426
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Application Number:	14173033										
CORRESPONDENCE DATA											
Fax Number:	(613)271-6082										
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ATTORNEY DOCKET NUMBER:	102831/00483										
NAME OF SUBMITTER:	KENT DANIELS										
Signature:	/Kent Daniels/										

Date:

02/05/2014

Total Attachments: 2

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**ASSIGNMENT**

WHEREAS, David W. BOERTJES; Kevin MACNEIL and Jamie GAUDETTE (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

**DIGITAL OPTICAL SPECTRAL SHAPING**

for which U.S. Patent Application No. 14/173,033 was filed on February 5, 2014.

WHEREAS, CIENA CORPORATION, 7035 Ridge Road, Hanover, Maryland, 21076-1426 United States (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:

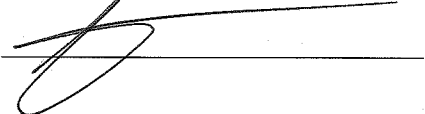
Full Name of Sole/First Inventor: David W. BOERTJES

Inventor's Signature:  Date: Feb 4, 2014

Full Name of Joint/Second Inventor: Kevin MACNEILL

Inventor's Signature:  Date: Feb 5, 2014

Full Name of Joint/Third Inventor: Jamie GAUDETTE

Inventor's Signature:  Date: Feb 5, 2014