

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Shan Zhong</td><td>08/20/2007</td></tr><tr><td>Charles Haggans</td><td>09/14/2007</td></tr></tbody></table>	Name	Execution Date	Shan Zhong	08/20/2007	Charles Haggans	09/14/2007	
Name	Execution Date						
Shan Zhong	08/20/2007						
Charles Haggans	09/14/2007						
RECEIVING PARTY DATA							
Name:	CIENA CORPORATION						
Street Address:	1201 Winterson Road						
City:	Linthicum						
State/Country:	MARYLAND						
Postal Code:	21090						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11855427</td></tr></tbody></table>	Property Type	Number	Application Number:	11855427			
Property Type	Number						
Application Number:	11855427						
CORRESPONDENCE DATA							
Fax Number:	(704)366-9744						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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:	10.0622.DIV						
NAME OF SUBMITTER:	Christopher L. Bernard						
Total Attachments: 3 source=10_0622_DIV_Assignment#page1.tif source=10_0622_DIV_Assignment#page2.tif							

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PATENT
REEL: 019828 FRAME: 0776

ASSIGNMENT

WHEREAS, **SHAN ZHONG AND CHARLES HAGGANS** (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

**MODULAR ADD/DROP MULTIPLEXER INCLUDING
A WAVELENGTH SELECTIVE SWITCH**

- ☐ for which U.S. Patent Application No. _____ was filed on _____; or
- ☒ 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**, 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.

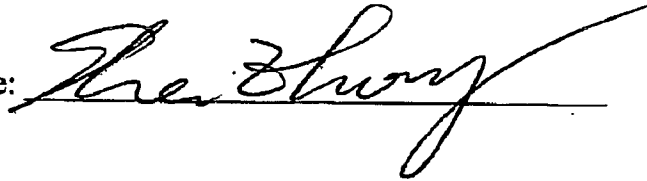
ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries as may be known and accessible to ASSIGNORS and will testify 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.

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

INVENTOR # 1

Name: **SHAN ZHONG**

Signature: _____



Date Signed: _____

08/20/07

INVENTOR # 2

Name: **CHARLES HAGGANS**

Signature: _____

Date Signed: _____

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

INVENTOR # 1

Name: **SHAN ZHONG**

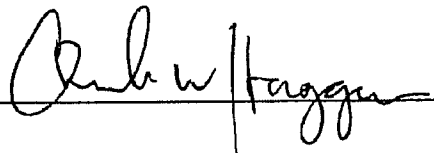
Signature: _____

Date Signed: _____

INVENTOR # 2

Name: **CHARLES HAGGANS**

Signature: _____



Date Signed: _____

9/14/07