Attorney Docket No. 236

05-18-1998

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office REC SHEET 100711795 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of conveying party(ies): 2. Name and address of receiving party(ies): William E. Talbot Name: CIENA Corporation Internal Address: Patent Department Street Address: 920 Elkridge Landing Rd. Linthicum, MD 21090 ▼ Assignment 3. Nature of convayance: ☐ Merger ☐ Security Agreement ☐ Change of Name □ Other Execution Date: ___ 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: April 27, 1999 A. Patent Application No.(s) Patent No.(s) ☐ Yes X No Additional numbers attached? Total number of applications and patents 5. Name and address of party to whom involved: _1_ correspondence concerning document should be mailed: Name: David L. Soltz, Esq. Total fee (37 C.F.R. \$3.41): _\$40.00 Internal Address: Patent Department X Authorized to be charged to deposit account CIENA Corporation Street Address: **Deposit Account Number:** 920 Elkridge Landing Rd. 50-0308 State: MD Zip: 21090 City: Linthicum (Attach duplicate copy of this page if paying by deposit account) 40.00 CH Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. David L. Soltz Registration No. 34,731 Name of Person Signing Total number of pages including cover sheet, attachments and documents: 3

ASSIGNMENT

WHEREAS I, the below named inventor, hereinafter referred to as Assignor, has made an invention entitled:

WDM RING TRANSMISSION SYSTEM

for which I executed an application for United States Letters Patent concurrently herewith and

WHEREAS, CIENA Corporation, a corporation of Delaware whose post office address is 920 Elkrdige Landing Road, Linthicum, Maryland 21090 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

RECORDED: 04/27/1998

IN TESTIMONY WHEREOF, I have hereunto set my hand.

County of Amelande)

State of Maryland

Dated: 4-27-98

Subscribed and sworn to before me this 27 day of April 1998.

- , Notary Public

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