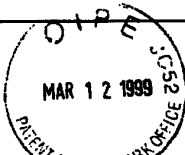


MRD 3.12.99



03-25-1999

Attorney Docket No. 222

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

REC



SHEET

100998262

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael G. Taylor  
Balakrishnan Sridhar

2. Name and address of receiving party(ies):

Name: CIENA Corporation  
Internal Address: Legal Department  
Street Address: 1201 Winterson Rd.  
Linthicum, MD 21090

3. Nature of conveyance:

☒ Assignment  
☐ Change of Name

☐ Merger  
☐ Other \_\_\_\_\_

☐ Security Agreement  
Execution Date: 2/15/99

3/11/99

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:

A. Patent Application No.(s)  
09/169,159 filed October 8, 1998

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David L. Soltz, Esq.  
Internal Address: Legal Department  
Street Address: CIENA Corporation  
1201 Winterson Rd.  
City: Linthicum State: MD Zip: 21090

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

☒ Authorized to be charged to deposit account

8. Deposit Account Number:

50-0308  
(Attach duplicate copy of this page if paying by deposit account)

9. 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

David L. Soltz  
Signature

3/12/99  
Date

Total number of pages including cover sheet, attachments and documents: 3

PATENT  
REEL: 9832 FRAME: 0378

SOLE/JOINT INVENTION  
(Worldwide Rights)

**ASSIGNMENT**

WHEREAS We, the below named inventors, hereinafter referred to as Assignors, have made an invention entitled:

**OPTICAL AMPLIFIER HAVING A SUBSTANTIALLY FLAT GAIN SPECTRUM**

for which We executed an application for United States Letters Patent Serial No. 09/169,159 filed October 8, 1998 and

WHEREAS, CIENA Corporation, a corporation of Delaware whose post office address is 1201 Winterson 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, We, as assignors, 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We 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.

SOLE/JOINT INVENTION  
(Worldwide Rights)

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of Howard )  
State of Maryland )

ss. Michael G. Taylor  
8334 Sperry Ct.  
Laurel, Maryland 20723

MG Taylor  
Dated: February 15, 1999

SEAL

Subscribed and sworn to before me  
this 15<sup>th</sup> day of February, 1999.

Dawn C. Milne Notary Public

DAWN C. MILNE  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires November 14, 2000

County of Howard )  
State of Maryland )

ss. Balakrishnan Sridhar  
6325 Virginia Pine Place, #301  
Elkridge, Maryland 21227

B. Sridhar  
Dated: March 11, 1999

SEAL

Subscribed and sworn to before me  
this 11<sup>th</sup> day of March, 1999.

Dawn C. Milne, Notary Public

DAWN C. MILNE  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires November 14, 2000

- 2 -

RECORDED: 03/12/1999

PATENT  
REEL: 9832 FRAME: 0380