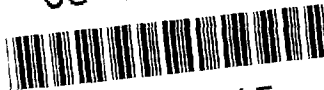


08-10-2001



101806415

Tab settings

To the Honorable Commissioner of Patents

Submit the attached original documents or copy thereof.

1. Name of conveying party(ies):
**MARK CHILDERS
ART MASSARO
JEFFREY WERNER
JOHN ANDERSEN**

Additional names(s) of conveying party(ies) Yes No

07/27/01

2. Name and address of receiving party(ies):
Name: **CIENA CORPORATION**
Address: **LEGAL DEPARTMENT
1201 WINTERSON ROAD**

City: **LINTHICUM** State/Prov.: **MD**
Country: **USA** ZIP: **21090**

Additional name(s) & address(es) Yes No

J1046 U.S. PTO
09/916367
07/27/01

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **07/20/01; 07/25/01; 07/26/01**

4. Application number(s) or registration numbers(s): **09/916367**
If this document is being filed together with a new application, the execution date of the application is: **JULY 27, 2001**

Patent Application No.	Filing date	B. Patent No.(s)

Additional numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **MICHAEL R. CAMMARATA**
Registration No. **39,491**
Address: **CIENA CORPORATION
LEGAL DEPARTMENT
1201 WINTERSON ROAD**
City: **LINTHICUM** State/Prov.: **MD**
Country: **USA** ZIP: **21090**

6. Total number of applications and patents involved: **1**

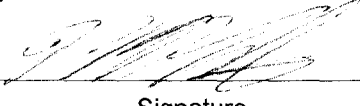
7. Total fee (37 CFR 3.41):.....\$ **40.00**
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account

8. Deposit account number:
50-0308

08/09/2001 HANDED 00000118 500308 09916367
01 FC:581 40.00 CN

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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.

MICHAEL R. CAMMARATA  **JULY 27, 2001**
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and **6**

PATENT

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), hereinafter referred to as Assignor(s), have made an invention entitled:

**AN OPTICAL SIGNAL RECEIVER AND METHOD WITH DECISION THRESHOLD
ADJUSTMENT BASED ON A RELATIVE PERCENTAGE ERROR INDICATOR**

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 good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/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 I/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/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/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.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of Howard)
State of Maryland) ss.

Mark Childers
614 Ridge Road
Finksburg, Maryland 21048

Mark Childers
(Signature)

07-25-2001
(Date)

SEAL

Subscribed and sworn to before me
this 25th day of July, 2000.

Luanne W. Sauer, Notary Public

Luanne W. Sauer
Notary Public, State of Maryland
City of Baltimore
My Commission Expires May 25, 2004

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of Anne Arundel
State of Maryland ss.

Arthur P. Massaro, Jr.
541 Devonshire Court
Severna Park, MD 21146

Arthur P. Massaro, Jr.
(Signature)

7-20-2001
(Date)

SEAL

Subscribed and sworn to before me
this 20th day of July, 2000.

Luanne W. Sauer, Notary Public

Luanne W. Sauer
Notary Public, State of Maryland
City of Baltimore
My Commission Expires May 25, 2004

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of Baltimore)
State of Maryland) ss.

Jeff Werner
54 North Forest Drive
Forest Hill, Maryland 21050

Jeff M. Werner
(Signature)

7/25/01
(Date)

SEAL

Subscribed and sworn to before me /
this 25 day of July, 2000.

Carol S. Parker-Hines, Notary Public



IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of Lehigh)
State of Pennsylvania) ss.

John Kai Andersen
514 Eagle Drive
Emmaus, PA 18049

John Kai Andersen
(Signature)

July 26, 2001
(Date)

SEAL

Subscribed and sworn to before me
this 26 day of July, 2001

[Signature], Notary Public

