Docket No.: CNA-032.cip.div 10-13-2000 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar P08A/REV02 101486700 Tab settings - -To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): ERIN SAHINCI Name: CIENA CORPORATION WAOAR MAHMOOD ANDREI CSIPKES Address: LEGAL DEPARTMENT 1201 WINTERSON ROAD Yes X No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger ☒ Assignment City: LINTHICUM State/Prov.: MD Change of Name Security Agreement Country: ZIP: 21090 Other _____ Execution Date: AUGUST 29, 2000 Additional name(s) & address(es) ☐ Yes ⊠ No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: 08/30/00 B. Patent No.(s) Filing date Patent Application No. 79651368 ☐ Yes 🛛 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: MICHAEL R. CAMMARATA 7. Total fee (37 CFR 3.41):....\$ 40.00 ☐ Enclosed - Any excess or insufficiency should be Registration No. 39,491credited or debited to deposit account Address: CIENA CORPORATION Authorized to be charged to deposit account LEGAL DEPARTMENT 1201 WINTERSON ROAD 8. Deposit account number: City: LINTHICUM State/Prov.: MD 50-0308 _ ZIP: 21090 Country: _____

> Date Signature Total number of pages including cover sheet, attachments, and PATENT

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy

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Statement and signature.

of the original document.

MICHAEL R. CAMMARATA

Name of Person Signing

01 FC:581

REEL: 11144 FRAME: 0241

AUGUST 30, 2000

ASSIGNMENT

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

ATTENUATION SPLICE, SYSTEM AND METHOD THEREFOR USING ESTIMATION ALGORITHM AND CLOSED LOOP INTELLIGENT CONTROL

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.

PATENT REEL: 11144 FRAME: 0242

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.	
County of Part more) ss. State of Manyland)	Erin Sahinci 9461 Muirkirk Road, Apt. 301 Laurel, Maryland 20708
	(Signature)
	08/23/2005 (Date)
SEAL	(Date)
Subscribed and sworn to before me this I day of June, 2000. And S. PARKER-HINES Notary Public, State of Maryland My Commission Expires IN TESTIMON 83 W116 REOF, I/We have hereunted	o set our hands.
State of manuary ss.	Waqar Mahmood 5662 Stevens Forest Road, Apt. 144 Columbia, Maryland 21045
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	(Signature)
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
SEAL	(Signature)
SEAL Subscribed and sworn to before me this 2000. All Mary Public CAROLS. PARKER-MINES Notary Public, State of Maryland	(Signature) 4-29-60 (Date)
SEAL Subscribed and sworn to before me this 27° day of	(Signature) 4-29-60 (Date)
SEAL Subscribed and sworn to before me this 2000. All Mary Public CAROLS. PARKER-MINES Notary Public, State of Maryland	(Signature) 4-29-00 (Date)

SEAL

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Subscribed and sworn to before me this day of lugust, 2000

CAROL S. PARKER-PINES Notary Public, State of Maryland My Commission Expires 03-23-03

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PATENT REEL: 11144 FRAME: 0244