CIENA CORP

Form 144								
June 15, 2010 UNITED STATES						OMB APPROVAL		
SECURITIES AND EXCHANGE COMMISSION						OMB Number:	3235-0101	
Washington, D.C. 20549						Expires: March 31, 2011		
							Estimated average burden	
FORM 144							hours per response	2.00
	NOTICE	OF PROPOSE	ED SAL	LE OF SECU	RITIES		SEC USE ONLY	
PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933						1933	DOCUMENT SEQUENCE NO.	
							CUSIP N	UMBER
ATTENTION: Tra					-	placing an order	•	
1 (a) NAME OF ISSUER (Please type or print)			(b) IRS IDENT. NO) S.E.C. FILE NO		WORK LOCATION	
Ciena Corporation				23-2725311	000-2196	59		
1 (d) ADDRESS OF ISSUER	STREET			CITY	STATE	ZIP CODE	(e) TELE NO	PHONE
	1201 Winte	rson Road		Linthicum	MD	21090	410-865-	-8073
2 (a) NAME OF PERSON FOR WH ACCOUNT THE SECURITIES ARE BE SOLD		(b) RELATION TO ISSUE		(c) ADDRES	SS STREET	CITY	STATE	ZIP CODE
ALEXANDER STEPHEN B		Senior VP		1201 WINT ROAD	ERSON	LINTHICUM	MD	21090
INSTRUCTION: The person filing this notice should contact the issuer to obtain the I.R.S. Identification Number and the S.E.C. File Number.								
3 (a) (b)		SEC USE ONLY	(c)	(d)	(e)	(f)		(g)
Title of the			Numb of	er Aggregate	Number of Shares	Approximate		Name of Each

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Shares

Class of	Name and Address of Each Broker Through Whom the	Broker-Dealer	or Other Units	Market	or Other Units	Date of Sale	Securities		
Securities To Be Sold	Securities are to be Offered or Each Market Maker	File Number	To Be Sold	Value	Outstanding	(See instr. 3(f))	Exchange		
	who is Acquiring the Securities		(See instr. 3(c))	(See instr. 3(d))	(See instr. 3(e))	(MO. DAY YR.)	(See instr. 3(g))		
COMMON	DEUTSCHE BANK ALEX.BROWN 1399 NEW YORK AVE NW WASHINGTON, DC 20005		15,000	225,000	93,094,000	06/15/2010-08/16/2010	NASDAQ		
INSTRUCTI	ONS:								
1. (a)	Name of issu	ıer	3	(a) Title o	f the class of s	securities to be sold			
(b)	Issuer's I.R.					f each broker through who	om the		
	Identification			securities are intended to be sold					
(c)	Issuer's S.E.		(c) Number of shares or other units to be sold (if deb						
(d)	number, if a Issuer's addi zip code	ress, including	securities, give the aggregate face amount) (d) Aggregate market value of the securities to be sold as of a specified date within 10 days prior to filing of this notice						
(e)	Issuer's teleptincluding are	phone number, ea code	or if debt securities the face amount thereof outstanding as shown by the most recent report or statement published by the issuer				utstanding, nt		
2. (a)	_	son for whose securities are		(g)Name		n which the securities are ties exchange, if any, on ed to be sold			
(b)	to the issuer								
(c)	Such person including zip						OF 0 1115		

Potential persons who are to respond to the collection of information contained in this form are SEC 1147 not required to respond unless the form displays a currently valid OMB control number. (08-07)

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TABLE I — SECURITIES TO BE SOLD

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

			Name of Person from			
			Whom Acquired	Amount of		
Title of	Date you	Nature of Acquisition	(If gift, also give date	Securities	Date of	Nature of
the Class	Acquired	Transaction	donor acquired)	Acquired	Payment	Payment
COMMON	06/01/2009	INCENTIVE STOCK OPTION	CIENA CORPORATION	15,000	06/01/2009	CASH

INSTRUCTIONS: If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

TABLE II — SECURITIES SOLD DURING THE PAST 3 MONTHS

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

Name and Address of Seller	Title of Securities Sold	Date of Sale	Amount of Securities Sold	Gross Proceeds
STEPHEN B. ALEXANDER 1201 WINTERSON ROAD LINTHICUM, MD 21090	CIENA CORPORATION	5/17/2010	5000	82,839
STEPHEN B. ALEXANDER 1201 WINTERSON ROAD LINTHICUM, MD 21090	CIENA CORPORATION	4/15/2010	5000	92,375
STEPHEN B. ALEXANDER 1201 WINTERSON ROAD LINTHICUM, MD 21090	CIENA CORPORATION	3/15/2010	5000	79,179

EXPLANATION OF RESPONSES:

REMARKS:

The shares covered by this Rule 144 are being sold persuant to a Rule 10B5-1 plan dated 12/20/2006 and modified 03/10/2009, which is intended to comply with Rule 10B5-1.

INSTRUCTIONS:

See the definition of "person" in paragraph (a) of Rule 144. The person for whose account the securities to which this Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

June 15, 2010 DATE OF NOTICE March 10, 2009 DATE OF PLAN ADOPTION OR GIVING OF INSTRUCTION, IF **RELYING ON RULE 10B5-1**

Federal Criminal Violations (See 18 U.S.C.

ATTENTION: Intentional

misstatements or omission of facts constitute

1001)

SEC 1147 (02-08)

ATTENTION:

notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If such person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

/s/ Stephen Alexander (SIGNATURE)

The notice shall be signed by the person for whose account the securities are to be sold. At least one copy of the notice shall be manually signed. Any copies not manually signed shall bear typed or printed signatures.