

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**FORM 144
NOTICE OF PROPOSED SALE OF SECURITIES
PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933**

OMB APPROVAL	
OMB Number:	3235-0101
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SEC USE ONLY	
DOCUMENT SEQUENCE NO.	
CUSIP NUMBER	

ATTENTION: Transmit for filing 3 copies of this form concurrently with either placing an order with a broker to execute sale or executing a sale directly with a market maker.

1 (a) NAME OF ISSUER (Please type or print) Ciena Corporation		(b) IRS IDENT. NO. 23-2725311	(c) S.E.C. FILE NO.	WORK LOCATION
1 (d) ADDRESS OF ISSUER	STREET 1201 Winterson Road	CITY Linthicum	STATE MD	ZIP CODE 21090
2 (a) NAME OF PERSON FOR WHOSE ACCOUNT THE SECURITIES ARE TO BE SOLD ALEXANDER STEPHEN B		(b) RELATIONSHIP TO ISSUER Senior VP	(c) ADDRESS STREET 1201 WINTERSON ROAD	CITY LINTHICUM
			STATE	ZIP CODE 21090
				(e) TELEPHONE NO.

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) Title of the Class of Securities To Be Sold	(b) Name and Address of Each Broker Through Whom the Securities are to be Offered or Each Market Maker who is Acquiring the Securities	SEC USE ONLY Broker-Dealer File Number	(c) Number of Shares or Other Units To Be Sold (See instr. 3(c))	(d) Aggregate Market Value (See instr. 3(d))	(e) Number of Shares or Other Units Outstanding (See instr. 3(e))	(f) Approximate Date of Sale (See instr. 3(f)) (MO. DAY YR.)	(g) Name of Each Securities Exchange (See instr. 3(g))
COMMON	DEUTSCHE BANK ALEX.BROWN 1399 NEW YORK AVE NW WASHINGTON, DC 20005		15,000	147,000	91,150,000	7/15/2009 - 9/15/2009	NASDAQ

INSTRUCTIONS:

- Name of issuer
 - Issuer's I.R.S. Identification Number
 - Issuer's S.E.C. file number, if any
 - Issuer's address, including zip code
 - Issuer's telephone number, including area code
- Name of person for whose account the securities are to be sold
 - Such person's relationship to the issuer (e.g., officer, director, 10% stockholder, or member of immediate family of any of the foregoing)
 - Such person's address, including zip code
- Title of the class of securities to be sold
 - Name and address of each broker through whom the securities are intended to be sold
 - Number of shares or other units to be sold (if debt securities, give the aggregate face amount)
 - Aggregate market value of the securities to be sold as of a specified date within 10 days prior to filing of this notice
 - Number of shares or other units of the class outstanding, or if debt securities the face amount thereof outstanding, as shown by the most recent report or statement published by the issuer
 - Approximate date on which the securities are to be sold
 - Name of each securities exchange, if any, on which the securities are intended to be sold

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1147 (02-08)

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:

Title of the Class	Date you Acquired	Nature of Acquisition Transaction	Name of Person from Whom Acquired <i>(If gift, also give date donor acquired)</i>	Amount of Securities Acquired	Date of Payment	Nature of Payment
COMMON	12/20/2007	INCENTIVE STOCK OPTION	CIENA CORPORATION	5000	12/20/2007	CASH
COMMON	12/20/2007	INCENTIVE STOCK OPTION	CIENA CORPORATION	3231	12/20/2007	CASH
COMMON	02/02/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	801	02/02/2008	CASH
COMMON	03/20/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	968	03/20/2008	CASH
COMMON	03/20/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	32	03/20/2008	CASH
COMMON	05/03/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	884	05/03/2008	CASH
COMMON	06/20/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	660	06/20/2008	CASH
COMMON	08/02/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	884	08/02/2008	CASH
COMMON	09/20/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	660	09/20/2008	CASH
COMMON	11/01/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	884	11/01/2008	CASH
COMMON	12/22/2008	INCENTIVE STOCK OPTION	CIENA CORPORATION	659	12/22/2008	CASH
COMMON	01/31/2009	INCENTIVE STOCK OPTION	CIENA CORPORATION	337	01/31/2009	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	04/15/2009	5000	41104.93
STEPHEN B. ALEXANDER 1201 WINTERSON ROAD LINTHICUM, MD 21090	CIENA CORPORATION	05/15/2009	5000	47473.27
STEPHEN B. ALEXANDER 1201 WINTERSON ROAD LINTHICUM, MD 21090	CIENA CORPORATION	06/15/2009	5000	49959.20

EXPLANATION OF RESPONSES:

REMARKS:

The shares covered by this Rule 144 are being sold pursuant 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. 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.

ATTENTION:

The person for whose account the securities to which this 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.

July 15, 2009

DATE OF NOTICE

/s/ Stephen B. Alexander

(SIGNATURE)

DATE OF PLAN ADOPTION OR GIVING OF
INSTRUCTION, IF RELYING ON RULE 10B5-1

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.

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)

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