## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C	C. 20549
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPRO	VAL
OMB Number:	3235-0287
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>ALEXANDER STEPHEN B</u>							2. Issuer Name <b>and</b> Ticker or Trading Symbol CIENA CORP [ CIEN ]										Check	all app Direc		ng Per	10% C		
	`	First) ORATION N ROAD	`	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/15/2007										X	belov	cer (give title ow) VP Chief Technolog		below)	` '	
(Street)	pet) NTHICUM, MD 21090						4. If Amendment, Date of Original Filed (Month/Day/Year)										3. Indiv _ine) X	Forn Forn	or Joint/Group Filing (Check Applicable orm filed by One Reporting Person orm filed by More than One Reporting erson				
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																						
Date				2. Trans Date (Month/		2A. Deemed Execution Date, if any (Month/Day/Year)			3. Transa Code ( 8)	4. Securities Acquired (A) Disposed Of (D) (Instr. 3,					5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership				
										Code	v	Amount		(A) or (D)	Pric	e	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
Common Stock 05/15/3						5/2007	2007						100		D	\$29.45		90,723			D		
Common Stock 05/15/						5/2007	2007				S <sup>(1)</sup>		100		D	\$29.44		90,623			D		
Common Stock 05/15/						5/2007	2007				S <sup>(1)</sup>		850		D	\$29.43		89,773			D		
Common Stock 05/15/						/2007					S <sup>(1)</sup>		200	D \$		\$29	9.42	89,573			D		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																						
1. Title of Derivative Security (Instr. 3)	erivative Conversion Date Execution I ecurity or Exercise (Month/Day/Year) if any		Date,	4. Transaction Code (Instr. 8)		n of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date E Expiratio (Month/D	n Date	•	Amount of Securities Underlying Derivative Security (Ins and 4)		nstr. 3	Deri Sec	rice of vative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)				

## **Explanation of Responses:**

 $1. \ Sales \ were \ effected \ pursuant \ to \ Rule \ 10b5-1 \ trading \ plan \ dated \ 12/20/06.$ 

By: Erik Lichter For: Stephen 05/15/2007 B. Alexander

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.