FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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* ALEXANDER STEPHEN B					2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]									Check	tionship of Reportin all applicable) Director Officer (give title		10%	Owner (specify	
(Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD				3. Date of Earliest Transaction (Month/Day/Year) 12/22/2008									X	belov			w)		
(Street) LINTHIC	CUM, M	ID 2	21090 (Zip)		4. If	Amen	dment,	Date o	f Origina	al Filed	d (Month/Da	ay/Ye	ear)		. Indiv ine) X	Form	n filed by One n filed by Moi	o Filing (Check e Reporting Pere than One R	erson
		Tabl	le I - No	n-Deriv	ative	Sec	uritie	s Acc	quired	, Dis	posed o	of, o	or Ben	efici	ally (Owne	ed		
Date				Day/Year) Execu		2A. Deemed Execution Date, if any (Month/Day/Year)				4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			nd 5)			6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amount		(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)			(1115111 4)
Common Stock 12/22				/2008	2008			S		341(1)		D	\$6.5	029	373,659 ⁽²⁾		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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deen Executio if any (Month/D	n Date,	4. Transa Code (8)		5. Nur of Deriv Secur Acqu (A) or Dispo of (D) (Instr. and 5	ative rities ired osed . 3, 4	6. Date Expirati (Month/	on Dai		An Sec Un De Sec	or	nstr. 3			9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownership (Instr. 4)

Explanation of Responses:

- 1. Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related to a restricted stock unit (RSU) award agreement dated 12/18/2007. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/20/2007.
- 2. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Stephen

12/23/2008

B. Alexander

** Signature of Reporting Person

Date

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

- * 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.