

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person * <u>PETRIK ANDREW C</u> (Last) (First) (Middle) <u>C/O CIENA CORPORATION</u> <u>1201 WINTERSON ROAD</u> (Street) <u>LINTHICUM, MD 21090</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP [CIEN]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP, CONTROLLER</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/28/2007</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	09/28/2007		M		21,428	A	\$31.71	35,942	D	
Common Stock	09/28/2007		M		1,417	A	\$25.06	37,359	D	
Common Stock	09/28/2007		M		250	A	\$17.43	37,609	D	
Common Stock	09/28/2007		M		335	A	\$16.87	37,944	D	
Common Stock	09/28/2007		M		268	A	\$16.52	38,212	D	
Common Stock	09/28/2007		S		26,024	D	\$38.0611 ⁽¹⁾	12,188	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. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Non-Qualified Stock Option (right to buy)	\$16.52	09/28/2007		M			268	(2)	06/10/2015	Common Stock 268	\$0	1,964	D	
Non-Qualified Stock Option (right to buy)	\$16.87	09/28/2007		M			335	(2)	10/26/2014	Common Stock 335	\$0	1,563	D	
Non-Qualified Stock Option (right to buy)	\$17.43	09/28/2007		M			250	(3)	10/26/2015	Common Stock 250	\$0	2,167	D	
Non-Qualified Stock Option (right to buy)	\$25.06	09/28/2007		M			1,417	(4)	05/18/2014	Common Stock 1,417	\$0	0	D	
Non-Qualified Stock Option (right to buy)	\$31.71	09/28/2007		M			21,428	(4)	11/19/2012	Common Stock 21,428	\$0	0	D	

Explanation of Responses:

1. Reflects the average sale price of the total shares sold. Actual sales prices are as follows: 1,142 shares at \$38.25; 82 shares at \$38.22; 801 shares at \$38.18; 2,599 shares at \$38.15; 1,005 shares at \$38.14; 2,000

shares at \$38.13; 900 shares at \$38.12; 2,800 shares at \$38.11; 1,400 shares at \$38.10; 100 shares at \$38.09; 1,500 shares at \$38.08; 500 shares at \$38.06; 4,200 shares at \$38.05; 800 shares at \$38.04; 400 shares at \$38.02; 2,995 shares at \$38.01; 900 shares at \$37.82; 500 shares at \$37.81; 100 shares at \$37.79; 500 shares at \$37.75; 400 shares at \$37.71; 100 shares at \$37.70; 200 shares at \$37.69; 100 shares at \$37.68

2. Option vests at a rate of 25% on the last day of the month of the one year anniversary of the grant date and 2.084% for each of the 36 months thereafter.

3. Stock option vests monthly in equal amounts over a four-year period.

4. Option is fully vested.

By: Erik Lichter For: Andrew 10/01/2007
C. Petrik

** 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.