

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>CHINNICI JOSEPH R</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 Officer (give title below) Other (specify below) SR VP FINANCE, CFO
	3. Date of Earliest Transaction (Month/Day/Year) <u>01/03/2007</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	01/03/2007		s ⁽¹⁾		500	D	\$28.06	44,884	D	
Common Stock	01/03/2007		s ⁽¹⁾		500	D	\$28.08	44,384	D	
Common Stock	01/03/2007		s ⁽¹⁾		1,600	D	\$28.09	42,784	D	
Common Stock	01/03/2007		s ⁽¹⁾		1,100	D	\$28.1	41,684	D	
Common Stock	01/03/2007		s ⁽¹⁾		500	D	\$28.11	41,184	D	
Common Stock	01/03/2007		s ⁽¹⁾		200	D	\$28.12	40,984	D	
Common Stock	01/03/2007		s ⁽¹⁾		400	D	\$28.14	40,584	D	
Common Stock	01/03/2007		s ⁽¹⁾		969	D	\$28.15	39,615	D	
Common Stock	01/03/2007		s ⁽¹⁾		700	D	\$28.16	38,915	D	
Common Stock	01/03/2007		s ⁽¹⁾		172	D	\$28.17	38,743	D	
Common Stock	01/03/2007		s ⁽¹⁾		400	D	\$28.18	38,343	D	
Common Stock	01/03/2007		s ⁽¹⁾		400	D	\$28.2	37,943	D	
Common Stock								8,176	I	by Trust

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						Title
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			300	(2)	11/02/2015	Common Stock	300	\$27.99	35,414	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			800	(2)	11/02/2015	Common Stock	800	\$28.03	34,614	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	Title	Amount or Number of Shares				
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			200	(2)	11/02/2015	Common Stock	200	\$28.04	34,414	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			300	(2)	11/02/2015	Common Stock	300	\$28.05	34,114	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			500	(2)	11/02/2015	Common Stock	500	\$28.06	33,614	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			500	(2)	11/02/2015	Common Stock	500	\$28.08	33,114	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			1,600	(2)	11/02/2015	Common Stock	1,600	\$28.09	31,514	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			1,100	(2)	11/02/2015	Common Stock	1,100	\$28.1	30,414	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			500	(2)	11/02/2015	Common Stock	500	\$28.11	29,914	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			200	(2)	11/02/2015	Common Stock	200	\$28.12	29,714	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			131	(2)	11/02/2015	Common Stock	131	\$28.13	29,583	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			400	(2)	11/02/2015	Common Stock	400	\$28.14	29,183	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			969	(2)	11/02/2015	Common Stock	969	\$28.15	28,214	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			700	(2)	11/02/2015	Common Stock	700	\$28.16	27,514	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			172	(2)	11/02/2015	Common Stock	172	\$28.17	27,342	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						Title
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			400	(2)	11/02/2015	Common Stock	400	\$28.18	26,942	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			400	(2)	11/02/2015	Common Stock	400	\$28.2	26,542	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			100	(2)	11/02/2015	Common Stock	100	\$28.29	26,442	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			100	(2)	11/02/2015	Common Stock	100	\$28.31	26,342	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			90	(2)	11/02/2015	Common Stock	90	\$28.33	26,252	D	
Non-Qualified Stock Option (right to buy)	\$16.52	01/03/2007		M			210	(2)	11/02/2015	Common Stock	210	\$28.34	26,042	D	

Explanation of Responses:

- Sales were effected pursuant to Rule 10b5-1 trading plan dated 12/19/06.
- Option vests in equal amounts over 48 months beginning on November 1, 2005.

By: Erik Lichter For: Joseph R Chinnici 01/05/2007

** 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.

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