FORM 4

## 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

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*  PETRIK ANDREW C  |  |  |   |  | 2. Issuer Name and Ticker or Trading Symbol CIENA CORP [ CIEN ] |  |  |  |  |   |  |   |  | (Check all app<br>Direct                    |  | olicable)<br>etor<br>er (give title   | 10% (   | Owner<br>(specify  |
|--|--|--|---|--|---|--|--|--|--|---|--|---|--|---|--|---|---|--|
| (Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD  |  |  |   | 3. Date of Earliest Transaction (Month/Day/Year) 03/27/2008  |   |  |  |  |  |   |  |   |  | VP, CONTROLLER                              |  |   |   |  |
| (Street) LINTHICUM, MD 21090 (City) (State) (Zip)  |  |  |   | 4. If Amendment, Date of Original Filed (Month/Day/Year)   |   |  |  |  |  |   |  |   |  |   |  |   |   |  |
|  | •  |  | n-Deriv   | ative S  | Secu  | ıritie   | s Aca  | uired.   | Disi   | oosed o   | f. 0   | r Ben   | efic   | iallv                                       | Owne   | ed  |   |  |
| 1. Title of Security (Instr. 3) 2. Transa Date   |  |  |   | ction  | 2A.<br>Exe  | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year)  |  | 3.   |  | 4. Securities Acquired (A)<br>Disposed Of (D) (Instr. 3,  |  |   | (A) o  | or 5. Amo<br>Sand Securi<br>Benefi<br>Owned |  | ount of<br>ities<br>icially<br>d Following  | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership  |
|  |  |  |   |  |   |  |  | Code   | v  | Amount  |  | (A) or<br>(D)   | Pric   | е   | Transa   | action(s)   |   | (Instr. 4)   |
| Common Stock 03/   |  |  |   | 27/2008  |   |  |  | S  |  | 400   |  | D   | \$31.67  |   | 31,022   |   | D   |  |
| Common Stock 03/2  |  |  |   | 27/2008  |   |  |  | S  |  | 100   |  | D   | \$31.66  |   | 30,922   |   | D   |  |
| Common Stock 03/2  |  |  |   | 27/2008  |   |  |  | S  | s 30   |   |  | D   | \$31.65  |   | 30,622   |   | D   |  |
| Common Stock 03/27   |  |  |   | 7/2008   |   |  |  | S  |  | 584   |  | D   | \$31.64  |   | 30,038   |   | D   |  |
| Common Stock 03/27/  |  |  |   | /2008  |   |  |  | S  |  | 100   |  | D   | \$31.63  |   | 29,938   |   | D   |  |
| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |  |  |   |  |   |  |  |  |  |   |  |   |  |   |  |   |   |  |
| or Exercis<br>Price of   |  | Execution<br>r) if any   | n Date,<br>ay/Year)<br>-  | Transact<br>Code (Ins<br>8)  | str.  | on of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  |  | Expiratio<br>(Month/D  | n Date   | Ar) Se Ur De Se an  |  | Amount or Number of   |  |   |  | derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported  | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)   |
|  | (NA CORINTERSO) CUM, M (Grecurity (In Stock Stock Stock Stock Stock Stock Stock Stock Derivative of Derivative | (First) NA CORPORATION NTERSON ROAD  CUM, MD  (State)  Ta  Security (Instr. 3)  Stock  Stock  Stock  Stock  Stock  Stock  Conversion or Exercise Price of Derivative  (Month/Day/Yea | (First) (Middle) NA CORPORATION NTERSON ROAD  CUM, MD 21090  (State) (Zip)  Table I - No Security (Instr. 3)  Stock Stock Stock Stock Stock  Conversion or Exercise Price of Derivative Price of Derivative  (Month/Day/Year)  (Month/D | (First) (Middle) NA CORPORATION NTERSON ROAD  CUM, MD 21090  (State) (Zip)  Table I - Non-Derivation (Month/D)  Stock 03/27  Stock 03/27  Stock 03/27  Table II - Derivati (e.g., pu  2. Transaction Date (Month/Day/Year)  Table II - Derivati (e.g., pu  (Month/Day/Year)  3. Transaction Date (Month/Day/Year)  (Month/Day/Year)  Table II - Derivati (e.g., pu | CIE   | (First) (Middle)  NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Security (Instr. 3)  Stock  Stock  03/27/2008  Stock  03/27/2008  Stock  03/27/2008  Stock  Table II - Derivative Security (e.g., puts, calls, value) and content of Execurity (Month/Day/Year)  Table II - Derivative Security (e.g., puts, calls, value) and content of Execution Date (Month/Day/Year)  Conversion or Exercise Price of Date (Month/Day/Year) Price of Derivative Security  Security  Stock  13. Transaction Date (Month/Day/Year)  A. Deemed Transaction Code (Instr. 8) | (First) (Middle)  NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Securities (Month/Day/Year)  (State) (Zip)  Table I - Non-Derivative Securities (Month/Day/Year)  Stock  Stock  03/27/2008  Stock  03/27/2008  Stock  03/27/2008  Stock  03/27/2008  Table II - Derivative Securities (e.g., puts, calls, warrange) (a.g., puts, calls, warrange) (a.g., puts, calls, warrange) (Month/Day/Year)  2. Transaction (a.g., puts, calls, warrange) (Month/Day/Year)  2. Transaction (a.g., puts, calls, warrange) (Month/Day/Year)  3. Transaction (a.g., puts, calls, warrange) (a.g., puts, calls, warrange) (Month/Day/Year)  2. Transaction (a.g., puts, calls, warrange) (Month/Day/Year)  3. Transaction (a.g., puts, calls, warrange) (Month/Day/Year)  2. Transaction (a.g., puts, calls, warrange) (Month/Day/Year)  3. Transaction (a.g., puts, calls, warrange) (Month/Day/Year)  2. Transaction (a.g., puts, calls, warrange) (Month/Day/Year) | (First) (Middle) NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Securities Acquired (Month/Day/Year)  Stock  Stock  13. Date of Earliest Transa 03/27/2008  4. If Amendment, Date of Earliest Transa 03/27/2008  Table I - Non-Derivative Securities Acquired (Month/Day/Year)  Stock  03/27/2008  Stock  03/27/2008  Stock  03/27/2008  Table II - Derivative Securities Acquired (e.g., puts, calls, warrants, of Derivative Security  2. Table II - Derivative Securities Acquired (e.g., puts, calls, warrants, of Derivative Securities Acquired (month/Day/Year)  3. Date of Earliest Transa 03/27/2008  2. Transaction Date (Month/Day/Year)  Stock  03/27/2008  Stock  13. Transaction Date (e.g., puts, calls, warrants, of Derivative Securities Acquired (e.g., puts, calls, warrants, of Derivative Securities Acquired (point) (instr. 3, 4 and 5) | (First) (Middle) NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Securities Acquired, Date (Month/Day/Year)    Code   Code | (First) (Middle) NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Securities Acquired, Disport Exercise Price of Derivative Security  Table II - Derivative Securities Acquired, Disport Exercise Price of Derivative Security  (Month/Day/Year)  Table II - Derivative Securities Acquired, Disport Exercise Price of Derivative Securities Acquired, Disport (Month/Day/Year)  (Month/Day/Year)  (Middle)  3. Date of Earliest Transaction (Month/Day/2008)  4. If Amendment, Date of Original Filed  2A. Deemed Execution Date, if any (Month/Day/Year)  (Month/Day/Year)  (Month/Day/Year)  3. Transaction Code (Instr. 8)  Code V  Table II - Derivative Securities Acquired, Disport (e.g., puts, calls, warrants, options, code (Instr. 8)  Table II - Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  Expiration Date (Month/Day/Year)  (Month/Day/Year)  Date Exercise Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | (First) (Middle) NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Securities Acquired, Disposed of (Month/Day/Year)    Code   V | (First) (Middle) NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Securities Acquired, Disposed of, or Month/Day/Year)  (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Month/Day/Year)  (Month/Day/Year) (Month/Day/Year)  (Month/Day/Year) (Month/Day/Year)  (Month/Day/Year) (Month/Day/Year)  (Stock 03/27/2008 | (First) (Middle) NA CORPORATION NTERSON ROAD  Table I - Non-Derivative Securities Acquired, Disposed of, or Benefic Code (Instr. 3)  2. Transaction Date (Month/Day/Year) (Month/Day/Year)  2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year)  2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year)  Stock  03/27/2008  Stock  03/27/208  Stock  03/27/2008  Stock  03/27/2008  Stock  03/27/2008  Stock | CIENA CORP   CIEN                           | Cience   C | CIEN A CORP [ CIEN ]  (First) (Middle) NA CORPORATION NTERSON ROAD  2.1090  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owner Pers  (Month/Day/Year)  Stock  03/27/2008  2. Transaction Date (Month/Day/Year)  (Month/Day/Year)  Stock  03/27/2008  Stock  04/10/10/10/10/10/10/10/10/10/10/10/10/10/ | CIEN   CORP   CIEN   CORP   CIEN   CORP   CIEN                    | CIENA CORP   CIEN   Circle   Ciber   Ciber |

**Explanation of Responses:** 

By: Erik Lichter For: Andrew

03/28/2008

\*\* 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.