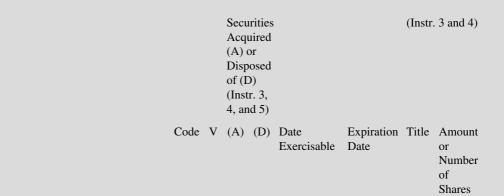
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| COHERENT INC Form 4 | | | | | | | | | | |
|--|---|---|---|--|--------------------------|---|--|--|---|--|
| April 03, 2006 | | | | | | | | | | |
| FORM 4 | | | | | | | | | PPROVAL | |
| | UNITED | NITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 | | | | | | | 3235-0287 | |
| Check this box if no longer subject to Section 16. Form 4 or Form 5 | STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES | | | | | | | Estimated burden hou response | urs per | |
| obligations may continue. <i>See</i> Instruction 1(b). | Section 17(| a) of the H | Public U | tility Hol | ding Co | | of 1935 or Secti | | | |
| (Print or Type Respon | ises) | | | | | | | | | |
| 1. Name and Address of Reporting Person <u></u> GAUTHIER HENRY E | | | 2. Issuer Name and Ticker or Trading Symbol | | | 5. Relationship of Reporting Person(s) to Issuer | | | | |
| | | COHERENT INC [COHR] | | | | (Check all applicable) | | | | |
| (Last) (First) (Middle) P. O. BOX 54980 | | | 3. Date of Earliest Transaction (Month/Day/Year) 03/30/2006 | | | X_ Director 10% Owner Officer (give title Other (specify | | | | |
| (Street) | | | 4. If Amendment, Date Original | | | | below) below) 6. Individual or Joint/Group Filing(Check | | | |
| SANTA CLARA | , | -0980 | | nth/Day/Yea | - | 11 | Applicable Line) _X_ Form filed by Form filed by | - | erson | |
| | State) | | | | | | Person | | | |
| (City) (S | State) | (Zip) | Tab | le I - Non-l | Derivative | Securities A | Acquired, Disposed | of, or Beneficia | lly Owned | |
| | nsaction Date th/Day/Year) | 2A. Deeme Execution any (Month/Da | Date, if | 3. Transactio Code (Instr. 8) | Disposed (Instr. 3, | (A) or of (D) | 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) | |
| | | | | | | | | | | |
| Reminder: Report on | a separate line | ofor each cla | ass of sec | urities bene | Perso inforr requi | ons who res nation cont red to resp ays a curre | or indirectly. spond to the colle tained in this forn ond unless the fo ntly valid OMB co | n are not rm | SEC 1474 (9-02) | |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exercisable and | 7. Title and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|-----------|-------------------------|--------------|-------------|-------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transactio | onNumber | Expiration Date | Amount of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/Year) | Underlying | Security | Secu |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivativ | e | Securities | (Instr. 5) | Bene |

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Reporting Owners

Derivative

Security

| Reporting Owner Name / Address | Relationships | | | | | | |
|---|---------------|-----------|---------|-------|--|--|--|
| FB | Director | 10% Owner | Officer | Other | | | |
| GAUTHIER HENRY E P. O. BOX 54980 SANTA CLARA, CA 95056-0980 | Х | | | | | | |
| Signatures | | | | | | | |
| Scott H. Miller, by power of atty | 04/03/ | /2006 | | | | | |
| **Signature of Reporting Person | Dat | e | | | | | |
| | | | | | | | |

Explanation of Responses:

* 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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Own

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Repo

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(Insti