

Sechrist Paul F
Form 4
January 31, 2013

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Sechrist Paul F

2. Issuer Name and Ticker or Trading Symbol
COHERENT INC [COHR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
5100 PATRICK HENRY DR

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
01/29/2013

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
EVP Worldwide Sales & Services

SANTA CLARA,, CA 95054

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount or Price | | |
| Common Stock | 01/29/2013 | | M | | 10,000 A \$ 32.95 | 30,748 | D |
| Common Stock | 01/29/2013 | | M | | 998 A \$ 23.16 | 31,746 | D |
| Common Stock | 01/29/2013 | | S | | 10,998 D \$ 55.856 | 20,748 | D |
| Common Stock | 01/30/2013 | | M | | 5,502 A \$ 23.16 | 25,750 | D |
| Common Stock | 01/30/2013 | | S | | 5,502 D \$ 55.85 | 20,748 | D |

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

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(9-02)

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 Underlying Securities (Instr. 3 and 4) | Amount or Number of Shares | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|---|----------------------------|--------------|--------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | |
| Non Qualified Stock Option (right to buy) | \$ 32.95 | 01/29/2013 | | M | | 10,000 | | 04/15/2009 | 10/03/2013 | Common Stock | 10,000 |
| Non Qualified Stock Option (right to buy) | \$ 23.16 | 01/29/2013 | | M | | 998 | | 11/17/2011 | 11/17/2014 | Common Stock | 998 |
| Non Qualified Stock Option (right to buy) | \$ 23.16 | 01/30/2013 | | M | | 5,502 | | 11/17/2011 | 11/17/2014 | Common Stock | 5,502 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|--------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Sechrist Paul F 5100 PATRICK HENRY DR SANTA CLARA,, CA 95054 | | | EVP Worldwide Sales & Services | |

Signatures

Paul Sechrist

01/31/2013

**Signature of
Reporting Person

Date

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).
- (1) Represents the weighted average sales price for the shares. The range of prices for such sales was \$55.85 to \$55.94. The reporting person will provide upon request full information regarding the number of shares sold at each separate price.

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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