Sechrist Paul F Form 4 January 31, 2013

FORM 4

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

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 obligations may continue. See Instruction 1(b).

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

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Issuer

(Last) (First) (Middle)

COHERENT INC [COHR]

(Check all applicable)

5100 PATRICK HENRY DR

(Street)

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

01/29/2013

Director 10% Owner _X__ Officer (give title Other (specify

EVP Worldwide Sales & Services

below)

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

Applicable Line)

X Form filed by One Reporting Person

Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

SANTA CLARA,, CA 95054

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secur	ities Acqui	red, Disposed of,	or Beneficial	ly 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) sactiomr Disposed of (D) (Instr. 3, 4 and 5) r. 8)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
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 (1)	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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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 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. Transacti Code (Instr. 8)	TransactionDerivative Code Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
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		М		5,502	11/17/2011	11/17/2014	Common Stock	5,502

Reporting Owners

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

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Signatures

Paul Sechrist 01/31/2013

**Signature of Date
Reporting Person

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. 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.

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