Sechrist Paul F Form 4 November 10, 2011

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

EVP Worldwide Sales & Services

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

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Number:

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response...

Symbol COHERENT INC [COHR]

(Last) (First) (Middle)

(Street)

(State)

(Zin)

3. Date of Earliest Transaction

(Month/Day/Year) 11/08/2011

Director 10% Owner

_X__ Officer (give title _ Other (specify below)

5100 PATRICK HENRY DR

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

SANTA CLARA,, CA 95054

(C:tr.)

(City)	(State) (Table	red, 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 n(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	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	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	11/08/2011		M	1,920	A	\$0	11,295	D	
Common Stock	11/08/2011		F	705 (1)	D	\$ 53.46	10,590	D	
Common Stock	11/08/2011		M	428	A	\$ 0	11,018	D	
Common Stock	11/08/2011		F	157 (1)	D	\$ 53.46	10,861	D	

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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amo Underlying Secur (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	An or Nu of Sha
Performance Restricted Stock Units	\$ 0	11/08/2011		M		1,920	11/08/2011	11/08/2011	Common Stock	1,
Performance Restricted Stock Units	\$ 0	11/08/2011		M		428	11/08/2011	11/08/2011	Common Stock	2
Performance Restricted Stock Units	\$ 0	11/08/2011		A	3,960		<u>(4)</u>	11/08/2014	Common Stock	3,
Restricted Stock Units	\$ 0	11/08/2011		A	8,040		<u>(5)</u>	11/08/2013	Common Stock	8,

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

Reporting Person

Paul Sechrist 11/10/2011
**Signature of Date

Reporting Owners 2

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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 shares withheld to satisfy minimum tax withholding obligations for released performance restricted stock units.
- (2) 1920 shares received out of a possible 3000 maximum share payout. Derivatives benficially owned total reduced by the 1080 shares not earned
- (3) 428 shares received out of a possible 668 maximum share payout. Derivatives benficially owned total reduced by the 240 shares not earned.
- This Restricted Stock Performance Unit award vests after the three year anniversary of the grant based on the relative performance of the underlying stock versus the Russell 2000 Index for the 90 trading days on and prior to November 7, 2014 versus the same 90 trading day period ending November 7, 2011. The number of shares in the table reflects the number of RSUs at target. The actual range of RSUs is 0-200% of the target number, depending upon what achievement, if any, results at the measurement date.
- (5) This Restricted Stock Unit award vests over two years with one half of the grant vesting on each of the subsequent anniversaries of the grant.

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.