SOBEY MARK STEWART

Form 4

November 21, 2011

FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

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

January 31, Expires: 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

Estimated average burden hours per response...

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SOBEY MARK STEWART			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)	3. Date of Earliest Transaction			
			(Month/Day/Year)	Director 10% Owner		
5100 PATRICK HENRY DRIVE			11/17/2011	X Officer (give title Other (specify below)		
				EVP		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		
CANITA OLADA CA 05054				Form filed by More than One Reporting		

Person

SANTA CLARA, CA 95054

(Ctata)

(City)	(State) (Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			d of (D)	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	11/17/2011		M	2,500	A	\$0	2,500	D	
Common Stock	11/17/2011		F	917 (1)	D	\$ 49.75	1,583	D	
Common Stock	11/20/2011		M	4,000	A	\$ 0	5,583	D	
Common Stock	11/20/2011		F	1,468 (1)	D	\$ 47.97	4,115	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 on f 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amoun or Number of Shares
Restricted Stock Units	\$ 0 (2)	11/17/2011		M	2,500	11/17/2011 <u>(3)</u>	11/17/2011	Common Stock	2,500
Restricted Stock Units	\$ 0 (2)	11/20/2011		M	4,000	11/20/2011 <u>(3)</u>	11/20/2011	Common Stock	4,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting of their runner, radices	Director	10% Owner	Officer	Other			
SOBEY MARK STEWART							
5100 PATRICK HENRY DRIVE			EVP				
SANTA CLARA, CA 95054							

Signatures

/s/ Bret DiMarco, General Counsel & Power of Attorney

11/21/2011

**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 shares withheld to satisfy minimum tax withholding obligations for released restricted units.
- (2) Reporting Person received one share of common stock for each RSU that vested.
- (3) This Restricted Stock Unit award vests over three years with one third of the grant vesting on each of the subsequent anniversaries of the grant.

Reporting Owners 2

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