SPINELLI LUIS

Form 4

November 21, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SPINELLI LUIS			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)	3. Date of Earliest Transaction	(Check an applicable)		
P. O. BOX 54980			(Month/Day/Year) 11/17/2011	Director 10% OwnerX Officer (give title Other (specify below) Exec VP, CTO		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
SANTA CLARA, CA 95056-0980			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	f, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 3, 4 and 5)			5. Amount of Securities Form: Direct Sense Securities Form: Direct Sense Securities (D) or Owned Indirect (I Following (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	2,233	A	\$ 0	5,378	D	
Common Stock	11/17/2011		F	820 (1)	D	\$ 49.75	4,558	D	
Common Stock	11/20/2011		M	3,000	A	\$ 0	7,558	D	
Common Stock	11/20/2011		F	1,357 (1)	D	\$ 49.97	6,201	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 op for Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	we 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	2,233	11/17/2011 <u>(3)</u>	11/17/2011	Common Stock	2,233
Restricted Stock Units	\$ 0 (2)	11/20/2011		M	3,000	11/20/2011 <u>(3)</u>	11/20/2011	Common Stock	3,000

Reporting Owners

Director 10% Owner Officer Other

SPINELLI LUIS

P. O. BOX 54980 Exec VP, CTO

SANTA CLARA, CA 95056-0980

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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