

SPINELLI LUIS  
Form 4  
November 12, 2010

**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 \*  
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 (Month/Day/Year)  
04/30/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
Exec VP, CTO

P. O. BOX 54980

(Street)

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

SANTA CLARA, CA 95056-0980

(City) (State) (Zip)

**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 Indirect Beneficial Ownership (Instr. 4)			
			Code	V	Amount	(A) or (D)	Price			
Common Stock	04/30/2010		J	V	601 <sup>(1)</sup>	A	\$ 21.2925	4,717	D	
Common Stock	10/29/2010		J	V	370 <sup>(1)</sup>	A	\$ 32.504	5,087	D	
Common Stock	11/09/2010		M		8,760	A	\$ 33.71	13,847	D	
Common Stock	11/09/2010		S		8,760	D	\$ 43.7602 <sup>(2)</sup>	5,087	I	"By Family Trust"
Common Stock	11/10/2010		S		1,414	D	\$ 43.4372	3,673	D	

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(3)

Common Stock	11/10/2010	M	326	A	\$ 33.71	3,999	D	
Common Stock	11/10/2010	S	326	D	\$ 43.139	3,673	I	"By Family Trust"
Common Stock	11/10/2010	M	2,914	A	\$ 33.71	6,587	D	
Common Stock	11/10/2010	S	2,914	D	\$ 43.4	3,673	I	"By Family Trust"

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)	8. Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non Qualified Stock Option (right to buy)	\$ 33.71	11/09/2010		M	8,760	04/07/2007 04/07/2011	Common Stock	8,760	
Non Qualified Stock Option (right to buy)	\$ 33.71	11/10/2010		M	326	04/07/2007 04/07/2011	Common Stock	326	
Non Qualified	\$ 33.71	11/10/2010		M	2,914	04/07/2007 04/07/2011	Common Stock	2,914	

Stock  
Option  
(right to  
buy)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SPINELLI LUIS P. O. BOX 54980 SANTA CLARA, CA 95056-0980			Exec VP, CTO	

## Signatures

/s/ Bret DiMarco, General Counsel & Power of Attorney	11/12/2010
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\_\_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) Purchase under employee stock purchase plan.
  - (2) Represents the weighted average sales price for the shares. The range of prices for such sales was \$43.60 to \$43.93.
  - (3) Represents the weighted average sales price for the shares. The range of prices for such sales was \$43.43 to \$43.45.

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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