

SIMONET HELENE  
Form 4  
December 06, 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 \*  
SIMONET HELENE

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)  
12/02/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)

P. O. BOX 54980

Exec VP and CFO

(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	12/02/2010		M	9,192 A \$ 35.01	37,266	D	
Common Stock	12/02/2010		S	9,192 (1) D \$ 43.0081 (2)	28,074	D	
Common Stock	12/03/2010		M	25,000 A \$ 32.95	53,074	D	
Common Stock	12/03/2010		S	25,000 (1) D \$ 44	28,074	D	
Common Stock	12/03/2010		M	15,000 A \$ 35.01	43,074	D	

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Common Stock 12/03/2010 S 15,000<sup>(1)</sup> D \$ 44 28,074 D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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**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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Non Qualified Stock Option (right to buy)	\$ 35.01	12/02/2010		M	9,192	03/30/2008 03/30/2012	Common Stock 9,192
Non Qualified Stock Option (right to buy)	\$ 32.95	12/03/2010		M	25,000	04/15/2009 10/03/2013	Common Stock 25,000
Non Qualified Stock Option (right to buy)	\$ 35.01	12/03/2010		M	15,000	03/30/2008 03/30/2012	Common Stock 15,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
			Exec VP and CFO	

SIMONET HELENE  
P. O. BOX 54980  
SANTA CLARA, CA 95056-0980

## Signatures

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

12/06/2010

\_\_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) Sold Pursuant to a Rule 10b5-1 sales plan adopted on May 28, 2010.

(2) Represents the weighted average sales price for the shares. The range of prices for such sales was \$43.00 to \$43.08.

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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