

SIMONET HELENE  
Form 4  
November 18, 2010

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

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

(Last) (First) (Middle)

P. O. BOX 54980

(Street)

SANTA CLARA, CA 95056-0980

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
COHERENT INC [COHR]

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/16/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

**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	(D)	Price
Common Stock	11/16/2010		M		6,910	A	\$ 32.95
Common Stock	11/16/2010		S		6,910 (1)	D	\$ 42.0357 (2)
Common Stock	11/17/2010		M		1,733	A	\$ 32.95
Common Stock	11/17/2010		S		1,733 (1)	D	\$ 42.035 (3)
Common Stock	11/17/2010		M		3,400	A	\$ 0

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Common Stock	11/17/2010	F	1,588 (5)	D	\$ 42.06	25,586	D
Common Stock	11/18/2010	M	13,182	A	\$ 32.95	38,768	D
Common Stock	11/18/2010	S	8,271 (1)	D	\$ 42.3961 (6)	30,497	D
Common Stock	11/18/2010	S	4,911 (1)	D	\$ 43.1891 (7)	25,586	D
Common Stock	11/18/2010	M	2,489	A	\$ 35.01	28,075	D
Common Stock	11/18/2010	S	2,489 (1)	D	\$ 43.1891 (7)	25,586	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. 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)	\$ 32.95	11/16/2010		M	6,910	04/15/2009 10/03/2013	Common Stock	6,910	
Non Qualified Stock Option (right to	\$ 32.95	11/17/2010		M	1,733	04/15/2009 10/03/2013	Common Stock	1,733	

buy)

Restricted Stock Unit	\$ 0	11/17/2010	M	3,400	<u>(4)</u>	11/17/2011	Common Stock	3,400
Non Qualified Stock Option (right to buy)	\$ 32.95	11/18/2010	M	13,182	04/15/2009	10/03/2013	Common Stock	13,182
Non Qualified Stock Option (right to buy)	\$ 35.01	11/18/2010	M	2,489	03/30/2008	03/30/2012	Common Stock	2,489

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SIMONET HELENE P. O. BOX 54980 SANTA CLARA, CA 95056-0980			Exec VP and CFO	

## Signatures

Helene Simonet                      11/18/2010  
 \*\*Signature of                      Date  
 Reporting Person

## 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 \$42.00 to \$42.16.
- (3) Represents the weighted average sales price for the shares. The range of prices for such sales was \$42.00 to \$42.166.
- (4) 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.
- (5) Represents shares withheld to satisfy minimum tax withholding obligations for released restricted units.
- (6) Represents the weighted average sales price for the shares. The range of prices for such sales was \$42.24 to \$42.57.
- (7) Represents the weighted average sales price for the shares. The range of prices for such sales was \$43.00 to \$43.32.

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.