SIMONET HELENE
Form 4
May 10, 2011

FORM 4

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

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

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).

(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)
05/06/2011

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
_X_ 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	(A) or (D)	Price			
Common Stock	04/29/2011		J	V	509 (1)	A	$ 36.3375	31,182	D	
Common Stock	05/06/2011		M		2,641	A	$ 26.16	33,823	D	
Common Stock	05/06/2011		S		2,641 (2)	D	$ 60.024 (3)	31,182	D	
Common Stock	05/06/2011		S		5,140 (2)	D	$ 59.5312 (4)	26,042	D	
Common Stock	05/10/2011		M		6,692	A	$ 26.16	32,743	D	

Common Stock	05/10/2011		S	6,692 (2)	D	$ 59.9823 (5)	26,042	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 Amoun Underlying Securit (Instr. 3 and 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Shar
Non-Qualified Stock Option (right to buy)	$ 26.16	05/06/2011		M			2,641	11/20/2010	11/20/2016	Common Stock	2,6
Non-Qualified Stock Option (right to buy)	$ 26.16	05/10/2011		M			6,692	11/20/2010	11/20/2016	Common Stock	6,6

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	05/10/2011
**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) Purchase under employee stock purchase plan.

(2) Sold Pursuant to a Rule 10b5-1 sales plan adopted on February 25, 2011.

(3) Represents the weighted average sales price for the shares. The range of prices for such sales was $59.95 to $60.355.

(4) Represents the weighted average sales price for the shares. The range of prices for such sales was $58.95 to $60.355.

(5) Represents the weighted average sales price for the shares. The range of prices for such sales was $59.95 to $60.07.

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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