VIJ SANDEEP Form 4 August 28, 2012

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

OMB APPROVAL

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1. Name and Address of Reporting Person * VIJ SANDEEP			2. Issuer Name and Ticker or Trading Symbol COHERENT INC [COHR]	5. Relationship of Reporting Person(s) to Issuer				
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)				
P. O. BOX 54980			(Month/Day/Year) 08/24/2012	X Director 10% Owner Officer (give title below) Other (specify below)				
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check				
SANTA CLARA, CA 95056			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				

(City)	(State)	(Zip) Tabl	e I - Non-I	Derivative :	Secur	ities Acqu	iired, Disposed of	f, or Beneficial	ly 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 action(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock							11,100	I	Family Trust
Common Stock	08/24/2012		M	3,000	A	\$ 15.21	3,000	D	
Common Stock	08/24/2012		M	6,000	A	\$ 35.01	9,000	D	
Common Stock	08/24/2012		M	6,000	A	\$ 32	15,000	D	
Common Stock	08/24/2012		S	15,000	D	\$ 48.11 (1)	0	D	

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C			\$					
Common Stock	08/24/2012	S	8,700	D	48.11	2,400	I	Family
Stock					(1)			Trust

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 proof 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 Amou Underlying Securi (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Stock Option (right to buy)	\$ 15.21	08/24/2012		M	3,000	03/11/2011	03/11/2019	Common Stock	3,0
Non-Qualified Stock Option (right to buy)	\$ 35.01	08/24/2012		M	6,000	03/29/2008	03/30/2016	Common Stock	6,0
Non-Qualified Stock Option (right to buy)	\$ 32	08/24/2012		M	6,000	04/01/2012	04/01/2020	Common Stock	6,0

Reporting Owners

Reporting Owner Name / Address	Relationships						
F	Director	10% Owner	Officer Other				
VIJ SANDEEP							
P. O. BOX 54980	X						
SANTA CLARA, CA 95056							
Signatures							

Signatures

/s/ Bret DiMarco, Pursuant to Power of Attorney 08/28/2012

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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) Represents the weighted average sales price for the shares. The range of prices for such sales was \$48.10 to \$48.18. The reporting person will provide upon request full information regarding the number of shares sold at each separate price.

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.

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