FLATLEY JAY T Form 4 February 19, 2013

FORM 4

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

OMB APPROVAL OMB

Expires:

3235-0287 Number: January 31,

if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16.

2005 Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading FLATLEY JAY T Issuer Symbol COHERENT INC [COHR] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction X_ Director (Month/Day/Year) 10% Owner Other (specify Officer (give title 5100 PATRICK HENRY DRIVE 02/15/2013 below) (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

SANTA CLARA, CA 95054

(Ci	ty)	(State) (Z	Zip) Table	I - Non-Do	erivative S	Securi	ties Ac	quired, Disposed	of, or Beneficial	lly Owned
1.Title of Security (Instr. 3	7	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securi onAcquired Disposed (Instr. 3,	(A) o l of (D))	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)
Comm Stock	non	02/15/2013		M	3,500 ₍₁₎	A	\$0	3,500	I	by Family Trust

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transac Code (Instr. 8	5. Number tion 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
Restricted Stock Unit	\$ 0 (2)	02/15/2013		M		3,500	02/15/2013	02/15/2013	Common Stock	3,500

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
FLATLEY JAY T							
5100 PATRICK HENRY DRIVE	X						
CANTA CLARA CA 05054							

Signatures

/s/ John Ambroseo, Pursuant to Power of
Attorney

**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) Released shares issued to family trust.
- (2) Reporting Person received one share of common stock for each RSU that vested

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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