AMBROSEO JOHN

Form 4

November 10, 2011

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

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if no longer subject to Section 16. 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)

P.O. BOX 54980

(City)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **AMBROSEO JOHN** Issuer Symbol COHERENT INC [COHR] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction

(Month/Day/Year) _X__ Director 10% Owner X_ Officer (give title Other (specify 11/08/2011 below) Pres. and CEO

(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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SANTA CLARA, CA 95056-0980

(State)

(Zip)

1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Indirect Beneficial (Instr. 3, 4 and 5) Ownership (Month/Day/Year) (Instr. 8) Owned (I) Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable and	7. Title and Amount
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orDerivative	Expiration Date	Underlying Securities
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.	8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amoun or Numbe of Shar
Performance Restricted Stock Units	\$ 0	11/08/2011		A		36,000		<u>(1)</u>	11/08/2014	Common Stock	36,00
Restricted Stock Units	\$ 0	11/08/2011		A		24,000		(2)	11/08/2013	Common Stock	24,00

Reporting Owners

Reporting Owner Name / Address	Relationships							
·L····	Director 10% Owner		Officer	Other				
AMBROSEO JOHN								
P.O. BOX 54980	X		Pres. and CEO					
SANTA CLARA, CA 95056-0980								

Signatures

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

11/10/2011

**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).
- This Restricted Stock Performance Unit award vests after the three year anniversary of the grant based on the relative performance of the underlying stock versus the Russell 2000 Index for the 90 trading days on and prior to November 7, 2014 versus the same 90 trading day period ending November 7, 2011. The number of shares in the table reflects the number of RSUs at target. The actual range of RSUs is 0-200% of the target number, depending upon what achievement, if any, results at the measurement date.
- (2) This Restricted Stock Unit award vests over two years with one half of the grant vesting on each of the subsequent anniversaries of the grant.

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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