HART JOHN H Form 4 March 24, 2009

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

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

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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(b).

1. Name and Address of Reporting Person * HART JOHN H

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol COHERENT INC [COHR]

(Middle)

(Check all applicable)

(First) (Last)

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

X_ Director

10% Owner Other (specify Officer (give title

P. O. BOX 54980

Security

(Instr. 3)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

(Street)

Filed(Month/Day/Year)

03/11/2009

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

Person

below)

SANTA CLARA. CA 95056-0980

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed

4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial Owned Ownership Following (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or (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.

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)

1. Title of 3. Transaction Date 3A. Deemed 5. Number 6. Date Exercisable and 7. Title and Amount 4 Derivative Conversion (Month/Day/Year) Execution Date, if Transaction of Derivative **Expiration Date** Underlying Securitie Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) (Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired

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	Derivative Security			(A) or Disposed of (D) (Instr. 3, 4, and 5)				
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour or Number of Shares
Restricted Stock Units	\$ 0	03/11/2009	A	2,000	<u>(1)</u>	03/11/2012	Common Stock	2,00
Non-Qualified Stock Option (right to buy)	\$ 15.21	03/11/2009	A	6,000	(2)	03/11/2019	Common Stock	6,00

Reporting Owners

Reporting Owner Name / Address	Relationships					
. 9	Director	10% Owner	Officer	Other		
HART JOHN H P. O. BOX 54980 SANTA CLARA, CA 95056-0980	X					

Signatures

/s/ Bret DiMarco, Pursuant to Power of Attorney 03/24/2009

**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).
- Automatic grant under the 1998 Director Plan. Grant of restricted stock units cliff vesting on the day prior to the annual stockholder's meeting held three calendar years from the date of grant. Each restricted stock unit represents a contingent right to receive one share of Coherent common stock.
- Automatic grant under the 1998 Director Plan. These options become exercisable as to one half of the common shares on the day prior to each of the next two annual stockholder's meetings.

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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