DiMarco Bret Form 4 June 08, 2006

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 obligations may continue. See Instruction

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

(Print or Type Responses)

1. Name and Address of Reporting Person *

DiMarco Bret

1(b).

(Middle) (First)

(Last)

PO BOX 54980

(Street)

SANTA CLARA, CA 95056-0980

2. Issuer Name and Ticker or Trading

Symbol

COHERENT INC [COHR] 3. Date of Earliest Transaction

(Month/Day/Year) 06/07/2006

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

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

Issuer

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify

below)

Exec VP & General Counsel

6. Individual or Joint/Group Filing(Check Applicable Line)

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

Person

(State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

(City)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

3.

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

Code V Amount (D) Price

(A)

5. Amount of Securities Beneficially Owned Following Reported

Transaction(s) (Instr. 3 and 4)

6. Ownership Form: Direct (I) (Instr. 4)

7. Nature of Indirect (D) or Indirect Beneficial Ownership

(Instr. 4)

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 Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

any

5. Number of 4. **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Ar Underlying Se (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

Non-Qualified

Stock Option (right to buy) \$ 33.3 06/07/2006 A 10,000 06/07/2007(1) 06/07/2012

Non-Qualif Stock Opti (right to bu

Title

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Other

DiMarco Bret

PO BOX 54980

Exec VP & General Counsel

SANTA CLARA, CA 95056-0980

Signatures

Bret DiMarco

06/08/2006

**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) These shares become exercisable 5,000 shares 6/7/07 and 5,000 shares 6/7/08, respectively.

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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