

Miles Patrick
Form 4
April 23, 2008

FORM 4

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

OMB APPROVAL

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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 *
Miles Patrick

(Last) (First) (Middle)

4545 TOWNE CENTRE COURT

(Street)

SAN DIEGO, CA 92121

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
NUVASIVE INC [NUVA]

3. Date of Earliest Transaction (Month/Day/Year)
04/22/2008

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
EVP, Marketing and Development

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

| 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 (A) or Disposed of (D) (Instr. 3, 4 and 5) | 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V Amount (A) or (D) Price | | | |
| Common Stock | 04/22/2008 | | M | 7,944 A \$ 9.5 | 20,701 | D | |
| Common Stock ⁽¹⁾ | 04/22/2008 | | S ⁽²⁾ | 7,944 D \$ 36.1116 | 12,757 | D | |
| Common Stock | 04/22/2008 | | M | 56 A \$ 9.5 | 12,813 | D | |
| Common Stock ⁽¹⁾ | 04/22/2008 | | S ⁽²⁾ | 56 D \$ 36.1116 | 12,757 | D | |

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

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(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 of 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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Option (Right to Buy) | \$ 9.5 | 04/22/2008 | | M | 7,944 | 01/01/2007 10/20/2014 | Common Stock | 7,944 |
| Stock Option (Right to Buy) | \$ 9.5 | 04/22/2008 | | M | 56 | <u>(3)</u> 12/16/2014 | Common Stock | 56 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|--------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Miles Patrick 4545 TOWNE CENTRE COURT SAN DIEGO, CA 92121 | | | EVP, Marketing and Development | |

Signatures

/s/ Jason Hannon,
Attorney-in-fact

04/22/2008

**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) The shares sold were acquired contemporaneously upon the cashless exercise of a stock option at an exercise price of \$9.50 per share.

(2)

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The sale reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on September 12, 2007.

- (3) 25% of the total shares subject to the option vested on December 17, 2005, which was the first anniversary of the date of grant; the remaining shares vest in 36 equal monthly installments thereafter.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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