

Valentine Keith
Form 4
March 22, 2006

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 *
Valentine Keith

(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)
03/20/2006

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)
President

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount | (A) or (D) | Price |
| Common Stock | 03/20/2006 | | M | | 5,000 | A | \$ 0.63 |
| Common Stock | 03/20/2006 | | M | | 7,500 | A | \$ 0.63 |
| Common Stock | 03/20/2006 | | M | | 26,666 | A | \$ 3.75 |

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

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number.

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) | \$ 0.63 | 03/20/2006 | | M | 5,000 | <u>(1)</u> 01/15/2013 | Common Stock | 5,000 |
| Stock Option (Right to Buy) | \$ 0.63 | 03/20/2006 | | M | 7,500 | <u>(2)</u> 07/31/2012 | Common Stock | 7,500 |
| Stock Option (Right to Buy) | \$ 3.75 | 03/20/2006 | | M | 26,666 | <u>(3)</u> 01/02/2014 | Common Stock | 26,666 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-----------|-------|
| | Director | 10% Owner | Officer | Other |
| Valentine Keith 4545 TOWNE CENTRE COURT SAN DIEGO, CA 92121 | | | President | |

Signatures

/s/ Jason Hannon,
Attorney-in-fact

03/22/2006

__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).

This option is immediately exercisable, but shares purchased under this option are subject to repurchase by the Issuer at the option exercise price to the extent the Reporting Person has not vested in such shares as of the date of the Reporting Person's termination of service to the Issuer. Option shares vest in 12 equal monthly installments beginning on February 1, 2006.

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- (2) This option is immediately exercisable, but shares purchased under this option are subject to repurchase by the Issuer at the option exercise price to the extent the Reporting Person has not vested in such shares as of the date of the Reporting Person's termination of service to the Issuer. Option shares vest in 6 equal monthly installments beginning on February 12, 2006.

- (3) This option is immediately exercisable, but shares purchased under this option are subject to repurchase by the Issuer at the option exercise price to the extent the Reporting Person has not vested in such shares as of the date of the Reporting Person's termination of service to the Issuer. 25% of the shares subject to this option vested on January 1, 2004, which was the first anniversary of the date of grant, and 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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