Hannon Jason Form 4 June 10, 2010

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or ES IN BENEFICIAL OWNERSHIP OF

Expires:

2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

1(b).

(Print or Type Responses)

| Name and Addre Hannon Jason | ess of Reporti | ng Person * | 2. Issuer Name and Ticker or Trading Symbol NUVASIVE INC [NUVA] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | |
|---------------------------------|----------------|-------------|---|--|--|--|
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction | (Check all applicable) | | |
| 7475 LUSK BI | LVD. | | (Month/Day/Year) 06/09/2010 | Director 10% OwnerX Officer (give title Other (specify below) EVP and General Counsel | | |
| (Street) | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Chec | | |
| SAN DIEGO, O | CA 92121 | | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | |

| (City) | (State) | Table | e I - Non-D | erivative | Secur | rities Acqu | ired, Disposed of | or Beneficiall | y Owned |
|--------------------------------------|---|---|--|---------------------------------------|-------|--------------|--|---|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactio Code (Instr. 8) | 4. Securi r(A) or Di (Instr. 3, | spose | d of (D) | 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) |
| Common Stock | 06/09/2010 | | M | 2,000 | A | \$ 16.24 | 3,555 | D | |
| Common Stock (1) | 06/09/2010 | | S(2) | 2,000 | D | \$ 36.924 | 1,555 | D | |

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 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. 5. Number Transaction Derivative Code Securities (Instr. 8) 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) | | |
|---|---|---|---|---|-----|--|---------------------|---|-----------------|--|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Option (Right to Buy) | \$ 16.24 | 06/09/2010 | | M | | 2,000 | 06/21/2009 | 06/21/2015 | Common Stock | 2,000 |

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Reporting Owners

| Reporting Owner Name / Address | Relationships |
|--------------------------------|---------------|
| | |

Director 10% Owner Officer Other

Hannon Jason

7475 LUSK BLVD. EVP and General Counsel

Signatures

SAN DIEGO, CA 92121

/s/ Jason Hannon 06/10/2010

**Signature of Date
Reporting Person

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 \$16.24 per share.
- The sale reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on September 9, 2009, which is intended to comply with Rule 10b5-1.

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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