

Spangler Jonathan
Form 4
December 29, 2006

FORM 4

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
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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Spangler Jonathan

(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)
12/28/2006

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer (give title below) ____ Other (specify below)

VP & Chief Patent 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

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 ⁽¹⁾	12/28/2006		M		210	A \$ 0.63	5,698 D
Common Stock ⁽¹⁾	12/28/2006		S ⁽²⁾		210	D \$ 23.6531	5,488 D
Common Stock ⁽¹⁾	12/28/2006		M		415	A \$ 0.63	5,903 D
Common Stock ⁽¹⁾	12/28/2006		S ⁽²⁾		415	D \$ 23.6531	5,488 D
Common Stock ⁽¹⁾	12/28/2006		M		7,875	A \$ 0.63	13,363 D

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Common Stock <u>(1)</u>	12/28/2006	S <u>(2)</u>	375	D	\$ 23.6531	12,988	D
Common Stock <u>(1)</u>	12/28/2006	S <u>(3)</u>	7,500	D	\$ 23.6605	5,488	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
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Stock Option (Right to Buy)	\$ 0.63	12/28/2006		M	210	<u>(4)</u>	01/15/2013	Common Stock	210
Stock Option (Right to Buy)	\$ 0.63	12/28/2006		M	415	09/10/2005	09/26/2011	Common Stock	415
Stock Option (Right to Buy)	\$ 0.63	12/28/2006		M	7,875	11/07/2005	01/16/2012	Common Stock	7,875

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Spangler Jonathan 4545 TOWNE CENTRE COURT SAN DIEGO, CA 92121	VP & Chief Patent Counsel

Signatures

/s/ Jason Hannon,
Attorney-in-fact

12/29/2006

__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) The shares sold were acquired contemporaneously upon the cashless exercise of a stock option at an exercise price of \$0.63 per share.
- (2) This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on March 10, 2006.
- (3) This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on September 12, 2006.

- The option is immediately exercisable, but shares purchased upon exercise of such option are subject to repurchase by the Issuer at the option exercise price in the event the Reporting Person's services to the Issuer terminate prior to the date the shares vest. 25% of the total shares subject to the option vested on January 15, 2004, which was the first anniversary of the date of grant; the remaining shares vest in 36 equal monthly installments thereafter.
- (4)

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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