Miles Patrick Form 4 March 23, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number: January 31,

Expires:

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Check this box if no longer subject to Section 16. Form 4 or 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).

Common

Stock

03/22/2007

(Print or Type Responses)

1. Name and A Miles Patri	Symbol	2. Issuer Name and Ticker or Trading Symbol NUVASIVE INC [NUVA]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last)	(First) (N	Middle) 3. Date	of Earliest T	ransaction	(Che	ск ан аррисаон	,		
4545 TOW	NE CENTRE CO	•	Day/Year) 2007		Director 10% Owner Officer (give title Other (specify below) below) EVP, Marketing and Development				
	(Street)	4. If Am	endment, Da	ate Original	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
SAN DIEG	6O, CA 92121	Filed(M	onth/Day/Yea	r)					
(City)	(State)	(Zip) Tal	ole I - Non-I	Derivative Securities Acq	uired, Disposed o	f, or Beneficial	ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Code	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature Indirect Beneficia Ownersh (Instr. 4)		

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

 $S_{\underline{1}}^{(1)}$

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.

Reported

9,334

Transaction(s) (Instr. 3 and 4)

D

(A)

(D)

D

Price

24.27

Amount

6,000

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed		ate	7. Titl Amou Under Securi (Instr.	int of lying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans
				of (D) (Instr. 3, 4, and 5)						(Instr
				4, and 3)	Date	Expiration		Amount		
			Code V	(A) (D)	Exercisable	Date	Title	Number of Shares		

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 03/23/2007

**Signature of Reporting Person Dat

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).
- The sale reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on September 14, 2006

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.

Reporting Owners 2