NUVASIVE INC

Form 4

December 27, 2007

FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

response...

Estimated average

burden hours per

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Miles Patrick			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	(see approved			
			(Month/Day/Year)	Director 10% Owner			
4545 TOWNE CENTRE COURT			12/24/2007	X Officer (give title Other (specify below) below) EVP, Marketing and Development			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person			
SAN DIEGO, CA 92121				Form filed by More than One Reporting Person			

(City)	(State)	(Zip) 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) (A) or			Beneficially Form: Owned Direct (Direct (Direct) Following or Indirect Reported (I) Transaction(s) (Instr. 4)	Ownership Form: Direct (D) or Indirect (I)	Beneficial Ownership	
			Code V	Amount	(D)	Price	(Instr. 3 and 4)			
Common Stock	12/24/2007		M	1,944	A	\$ 3.75	14,701	D		
Common Stock (1)	12/24/2007		S(2)	1,944	D	\$ 41.6935	12,757	D		
Common Stock	12/24/2007		M	8,056	A	\$ 9.5	20,813	D		
Common Stock (3)	12/24/2007		S(2)	8,056	D	\$ 41.6935	12,757	D		

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

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SEC 1474 (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. Transactic Code (Instr. 8)	5. Number on 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)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 3.75	12/24/2007		M		1,944	01/01/2007	01/02/2014	Common Stock	1,944
Stock Option (Right to Buy)	\$ 9.5	12/24/2007		M		8,056	01/01/2007	10/20/2014	Common Stock	8,056

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

**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 \$3.75 per share.

(2)

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