Lukianov Alexis V Form 4 January 06, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

0.5

Expires: January 31, 2005

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5

SECURITIES

4 or

5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

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).

(City)

(State)

(Zip)

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Lukianov Alexis V Issuer Symbol **NUVASIVE INC [NUVA]** (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction 10% Owner (Month/Day/Year) _X__ Director X_ Officer (give title Other (specify 7475 LUSK BLVD. 01/04/2010 below) CEO and Chairman (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 Form filed by More than One Reporting SAN DIEGO, CA 92121 Person

		Table	1 - 110II-DC	iivative b	ccuiii	iics Acc	quii cu, Disposcu	oi, or beneficial	ny Owncu
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties		5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	TransactionAcquired (A) or			r	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Code Disposed of (D)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3,	4 and	5)	Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
					(4)		Reported		
					(A)		Transaction(s)		
			Code V	Amaunt	or (D)	Price	(Instr. 3 and 4)		
G			Code V	Amount	(D)	Price			
Common Stock	12/30/2009		$G^{(1)}$ V	2,550	D	\$0	85,791 (2)	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 I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of orDerivative 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)	\$ 32.8	01/04/2010		A	350,000	(3)	01/04/2020	Common Stock	350,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
Topolonia o Hinor Humo / Humoss	Director	10% Owner	Officer	Other			
Lukianov Alexis V 7475 LUSK BLVD. SAN DIEGO, CA 92121	X		CEO and Chairman				

Signatures

/s/ Jason Hannon, Attorney-in-fact 01/06/2010

**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) Represents a bona-fide gift of 2550 shares.
- (2) Includes 131 shares acquired under the Issuer's employee stock purchase plan on October 30, 2009.
- (3) 25% of the total number of shares subject to this option shall vest and become exercisable on January 4, 2011 which is the first anniversary of the date of grant; 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. 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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