

OBOYLE KEVIN C
 Form 4
 September 16, 2008

FORM 4

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *
OBOYLE KEVIN C

(Last) (First) (Middle)
 7475 LUSK BLVD.
 (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)
 09/15/2008

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 CFO and Executive VP

6. Individual or Joint/Group Filing(Check Applicable Line)
 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	(D)	Price
Common Stock	09/15/2008		M		2,607	A	\$ 3.75
Common Stock ⁽¹⁾	09/15/2008		S ⁽³⁾		2,607	D	\$ 48.5535
Common Stock	09/15/2008		M		17,393	A	\$ 9.5
Common Stock ⁽²⁾	09/15/2008		S ⁽³⁾		17,393	D	\$ 48.5535

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)	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 3.75	09/15/2008		M	2,607	01/08/2007 01/02/2014	Common Stock	2,607
Stock Option (Right to Buy)	\$ 9.5	09/15/2008		M	17,393	01/08/2008 10/20/2014	Common Stock	17,393

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
OBOYLE KEVIN C 7475 LUSK BLVD. SAN DIEGO, CA 92121			CFO and Executive VP	

Signatures

Kevin C.
O'Boyle

09/16/2008

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

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- (3) The sale reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plans adopted by the Reporting Person on September 14, 2007 and May 15, 2008.

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.