

KUO JOHN W
 Form 4
 December 28, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
 OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 KUO JOHN W

2. Issuer Name and Ticker or Trading Symbol
 VARIAN MEDICAL SYSTEMS INC [VAR]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 VP, Gen Counsel and Secretary

(Last) (First) (Middle)
 C/O VARIAN MEDICAL SYSTEMS, INC., 3100 HANSEN WAY M/S E-327
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 12/27/2010

PALO ALTO, CA 94304
 (City) (State) (Zip)

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

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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	12/27/2010		M		8,333	A	\$ 37.17
Common Stock	12/27/2010		M		40,000	A	\$ 49.88
Common Stock	12/27/2010		M		7,682	A	\$ 50.66
Common Stock	12/27/2010		S ⁽¹⁾		48,333	D	\$ 70.5928
							<u>(2)</u>

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Common Stock	12/27/2010	S ⁽¹⁾	7,682	D	\$ 70.66	16,067	D	
Common Stock	12/28/2010	M	17,318	A	\$ 50.66	33,385	D	
Common Stock	12/28/2010	S ⁽¹⁾	17,318	D	\$ 70.66	16,067	D	
Common Stock						1,197.373	I	By 401k Plan

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. 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 Security (Instr. 3 and 4)	Amount or Number of Shares
				Code	V (A) (D)	Date Exercisable Expiration Date	Title	
Non Qualified Stock Option (Right to Buy)	\$ 37.17	12/27/2010		M	8,333	⁽³⁾ 02/13/2016	Common Stock	8,333
Non-qualified Stock Option (Right to Buy)	\$ 49.88	12/27/2010		M	40,000	⁽⁴⁾ 11/17/2015	Common Stock	40,000
Non-qualified Stock Option (Right to Buy)	\$ 50.66	12/27/2010		M	7,682	⁽⁵⁾ 11/21/2016	Common Stock	7,682
Non-qualified Stock Option (Right to Buy)	\$ 50.66	12/28/2010		M	17,318	⁽⁵⁾ 11/21/2016	Common Stock	17,318

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other

KUO JOHN W
C/O VARIAN MEDICAL SYSTEMS, INC.
3100 HANSEN WAY M/S E-327
PALO ALTO, CA 94304

VP, Gen Counsel and Secretary

Signatures

/s/ Franco N. Palomba, Attorney in Fact for John W.
Kuo

12/28/2010

__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) This transaction is pursuant to the filer's SEC Rule 10b5-1 Stock Plan
- (2) The 48,333 shares were sold in multiple transactions executed on the same day at prices ranging from \$70.04 to \$70.66. The detailed breakdown will be furnished upon request.

Stock option granted under the Varian Medical Systems, Inc. Second Amended and Restated 2005 Omnibus Stock Plan, which complies
- (3) with Rule 16b-3. The option vests as follows: one third on 2/13/2010, and the remaining shares in 24 equal installments over the 24 months following the first vesting date.
- (4) Stock option granted under the Varian Medical Systems, Inc. 2005 Omnibus Stock Plan, which complies with Rule 16b-3. The option vests as follows: one third on 11/17/06, and the remaining shares in 24 equal installments over the 24 months following the first vesting date.
- (5) Stock option granted under the Varian Medical Systems, Inc. Omnibus Stock Plan, which complies with Rule 16b-3. The option vests as follows: one third on 11/21/07, and the remaining shares in 24 equal installments over the 24 months following the first vesting date.

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.