KLUGE ROBERT H

Form 4 April 21, 2011

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:

Expires:

5. Relationship of Reporting Person(s) to

Form filed by More than One Reporting

Person

January 31, 2005

Estimated average burden hours per

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

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

KLUGE ROBERT H Issuer Symbol VARIAN MEDICAL SYSTEMS (Check all applicable) INC [VAR] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Other (specify X_ Officer (give title) (Month/Day/Year) below) C/O VARIAN MEDICAL 04/20/2011 Corp VP; Pres. X-Ray Products SYSTEM, 3100 HANSEN WAY, MAIL STOP E-327 (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

2. Issuer Name and Ticker or Trading

PALO ALTO, CA 94304

(State)

(Zin)

(City)

(City)	(State)	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. Transactic Code (Instr. 8)	(5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(11131111)			
Common Stock	04/20/2011		M	30,000	A	\$ 52.61	69,950	D			
Common Stock	04/20/2011		S(1)	30,000	D	\$ 70	39,950	D			

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

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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 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 Underlying Securiti (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Non-qualified Stock Option (Right to Buy)	\$ 52.61	04/20/2011		M	30,000	(2)	02/15/2015	Common Stock	30,0

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

KLUGE ROBERT H C/O VARIAN MEDICAL SYSTEM 3100 HANSEN WAY, MAIL STOP E-327 PALO ALTO, CA 94304

Corp VP; Pres. X-Ray Products

Signatures

/s/ Franco N. Palomba, Attorney in Fact for Robert H. Kluge 04/21/2011

**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 Rule10b5-1 Stock Plan
- Stock option granted under the Varian Medical Systems, Inc. Second Amended and Restated 2005 Omnibus Stock Plan, which complies (2) with Rule 16b-3. The option vests as follows: one third on 2/15/2009, 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.

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