de Raad Ma Form 5												
February 08									OMB AF	PROVAL		
FORM 5				DITIES AN	FIES AND EVCHANCE COMMISSI			MMISSION	OMP			
Check thi	is box if	STATE		RITIES AND EXCHANGE COMMISSI shington, D.C. 20549				JIVIIVII551011	Number:	January 31		
no longer subject to Section 16. Form 4 or Form ANNUAL STATEME				ENT OF CHANGES IN BENEFICIAL RSHIP OF SECURITIES				Expires: 200 Estimated average burden hours per response 1				
<i>See</i> Instru 1(b). Form 3 H Reported Form 4 Transacti Reported	Filed put foldings Section 170	(a) of the	Public U		ig Comp	any A	Act of 1		1			
de Raad Mark Sy			Symbol	2. Issuer Name <b>and</b> Ticker or Trading Symbol MASIMO CORP [MASI]				5. Relationship of Reporting Person(s) to Issuer				
(Last)	(First) (	Middle)	3. Statem (Month/I	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)			-	(Check all applicable) Director 10% Owner Officer (give title Other (specify				
			t			-	below) below) EVP & Chief Financial Officer					
						6. Individual or Joint/Group Reporting (check applicable line)						
RVINE,Â	CAÂ 92618						-	_X_ Form Filed by ( Form Filed by M Person				
(City)	(State)	(Zip)	Tab	le I - Non-Der	ivative Se	curiti	es Acqu	ired, Disposed of	, or Beneficial	ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Executio any		3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D (Instr. 3, 4 and 5)		d of (D)	5. Amount of Securities Beneficially Owned at end of Issuer's	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Amount	(A) or (D)	Price	Fiscal Year (Instr. 3 and 4)	(Instr. 4)			
Common Stock	12/11/2012	Â		М	122	А	\$ 21.58	2,660	I	See Footnote		

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

 (e.g., puts, calls, warrants, options, convertible securities)

(9-02)

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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)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Unde Secur	unt of rlying	8. Price of Derivative Security (Instr. 5)	
				(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

## **Reporting Owners**

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
de Raad Mark C/O MASIMO CORPORATION, 40 PARKER IRVINE, CA 92618	Â	Â	EVP & Chief Financial Officer	Â		

## **Signatures**

Mark P. de Raad 02/08/2013

\*\*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).
- On December 11, 2012, Mr. de Raad acquired 121 shares of Masimo Corporation common stock at \$21.58 per share under the Masimo (1) Retirement Savings Plan. The information in this report is based on a plan statement dated December 29, 2012.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.