Coleman Jon Form 4 August 19, 2009

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

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

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 5 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).

(Print or Type Responses)

1. Name and Address of Reporting Person * Coleman Jon			2. Issuer Name and Ticker or Trading Symbol MASIMO CORP [MASI]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
C/O MASIMO PARKER	,	,	(Month/Day/Year) 08/17/2009	Director 10% Owner X_ Officer (give title Other (specify below) President, International		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
IRVINE, CA 92618			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned
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	Tuble 1 Tion Delivative Securities required, Disposed oi, of Deliciteding Owner								
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securit	ties	5. Amount of	6. Ownership	7. Nature of	
Security	(Month/Day/Year)	Execution Date, if	TransactionAcquired (A) or		Securities	Form: Direct	Indirect		
(Instr. 3)		any	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)			
			C = V		or	(Instr. 3 and 4)			
			Code V	Amount	(D) Price	;		C	
Common								See	
						118.79	I	Footnote	
Stock								(2)	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)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)

(2)

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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. Transaction Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4,	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)	\$ 24.68	08/17/2009		A	50,000	<u>(1)</u>	08/17/2019	Common Stock	50,0

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Coleman Jon

C/O MASIMO CORPORATION 40 PARKER

President, International

IRVINE, CA 92618

Signatures

/s/ Stephen M. Moran, Attorney-in-Fact

08/19/2009

Date

**Signature of Reporting Person

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).
- This option was granted on August 17, 2009 and is exercisable as the option vests. This option vests over a five year period, with 20% of the shares subject to the option vesting on each anniversary date.
- (2) Between August 11, 2008 and August 17, 2009, Mr. Coleman acquired 118.79 shares of Masimo Corporation common stock under the Masimo Retirement Savings Plan. The information in this report is based on a plan statement dated August 17, 2009.

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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