MASIMO CORP Form 4 July 11, 2008

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Expires: January 31, 2005
Estimated average

Form 4 or 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

SECURITIES

burden hours per response... 0.5

5 Relationship of Reporting Person(s) to

1(b).

Common

Common

Stock

Stock

(Print or Type Responses)

1 Name and Address of Reporting Person *

07/09/2008

07/09/2008

Barker Steven			Symbol MASIMO CORP [MASI]			Issuer (Check all applicable)			
(Last) (First) (Middle) C/O MASIMO CORPORATION, 40 PARKER			3. Date of Earliest Transaction (Month/Day/Year) 07/09/2008			_X_ Director Officer (give ti	10%	Owner r (specify	
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
IRVINE, C	CA 92618					Form filed by Mo Person	ore than One Rep	porting	
(City)	(State)	(Zip)	Tab	ole I - Non-	Derivative Securities Acq	uired, Disposed of,	or Beneficiall	y Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Date, if	3. Transactio Code (Instr. 8)	4. Securities Acquired (A) DID DISPOSED OF (D) (Instr. 3, 4 and 5) (A) OF	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature o Indirect Beneficial Ownership (Instr. 4)	

(D)

D

Α

Amount

20,000

20,000

Price

35.0905

11.5567

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

Code V

 $S^{(1)}$

M

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SEC 1474

(9-02)

(Instr. 3 and 4)

D

D

0

20,000

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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. Transaction Code (Instr. 8)	Secu Acqu or Di (D)	rrities uired (A) isposed of r. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amou Underlying Securi (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Nun of S
Non-qualified stock option (right to buy)	\$ 11.5567	07/09/2008		M		20,000	12/31/2007	10/02/2016	Common Stock	20,

Reporting Owners

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

Barker Steven
C/O MASIMO CORPORATION, 40 PARKER
X
IRVINE, CA 92618

Signatures

/s/ Mark P. de Raad - 07/11/2008 Attorney-in-Fact

**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 covered by this Form 4 have been sold pursuant to a Rule 10b5-1 Sales Plan dated as of June 11, 2008, which is intended to comply with Rule 10b5-1 promulgated under the Securities Exchange Act of 1934, as amended.

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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