MASIMO CORP Form 4 August 13, 2008

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.

January 31, Expires: 2005

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

Estimated average burden hours per 0.5 response...

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

1(b).

(Print or Type Responses)

1. Name and Add KIANI JOE E	•	ing Person *	2. Issuer Name and Ticker or Trading Symbol MASIMO CORP [MASI]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
C/O MASIMO CORPORATION, 40 PARKER			(Month/Day/Year) 08/11/2008	_X_ Director 10% Owner Specify Other (give title Other (specify below) CEO and Chairman of the Board			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)			
IRVINE, CA	92618		Thea(Monar Day, Tear)	_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 Owner							y 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)	4. Securitie orDisposed o (Instr. 3, 4	f (D)	uired (A) or	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)	(msu. 1)	
Common Stock	08/11/2008		S <u>(1)</u>	150,000	D	\$ 40.0605	3,603,040	D	
Common Stock	08/12/2008		S <u>(1)</u>	200,000	D	\$ 40.0001	3,403,040	D	
Common Stock							1,680,000	I	See Footnote (3)
Common Stock							6,689.708	I	See Footnote (4)
							9,000	I	

Common See
Stock Footnote
(2)

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.

SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transa Code (Instr.	ction 8) I S (I	Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Secur	int of rlying	8. Price of Derivative Security (Instr. 5)
				Code	V ((A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

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

KIANI JOE E C/O MASIMO CORPORATION, 40 PARKER

X

CEO and Chairman of the Board

IRVINE, CA 92618 **Signatures**

/s/ Mark P. de Raad, Attorney-in-Fact 08/13/2008

**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 May 1, 2008, which is intended to comply with Rule 10b5-1 promulgated under the Securities Exchange Act of 1934, as amended.
- (2) Shares held by immediate family member for which Mr. Kiani exercises voting and investment control.

Reporting Owners 2

Edgar Filing: MASIMO CORP - Form 4

- (3) Shares held in two trusts for which Mr. Kiani is the sole trustee.
- Between February 15, 2008 and May 13, 2008, Mr. Kiani acquired 6,689.708 shares of Masimo Corporation common stock under the Masimo Retirement Savings Plan. The information in this report is based on a plan statement dated as of May 13, 2008.

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.