

MASIMO CORP
Form 4
May 16, 2008

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
KIANI JOE E

(Last) (First) (Middle)

C/O MASIMO CORPORATION, 40 PARKER

(Street)

IRVINE, CA 92618

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
MASIMO CORP [MASI]

3. Date of Earliest Transaction (Month/Day/Year)
05/14/2008

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
CEO and Chairman of the Board

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock	05/14/2008		S ⁽¹⁾		100,000	D	\$ 34.51
Common Stock	05/15/2008		S ⁽¹⁾		100,000	D	\$ 34.7
Common Stock						I	19,000
Common Stock						I	1,680,000
						I	6,689.708

See Footnote (2)

See Footnote (3)

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- (3) Shares held in two trusts for which Mr. Kiani is the sole trustee.
- (4) 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.