

MASIMO CORP
Form 4
August 13, 2007

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 *
CAHILL EDWARD L

(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)
08/13/2007

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)

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	08/13/2007		C		1,684,890	A	1,684,890
Common Stock					42,000	D	

By Cahill, Warnock Strategic Partners Fund, L.P.
(2)

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

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SEC 1474 (9-02)

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)

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 Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Series A Preferred Stock	(1)	08/13/2007		C	151,515	(1) (1)	Common Stock	454,545 (3)	
Series D Preferred Stock	(1)	08/13/2007		C	285,715	(1) (1)	Common Stock	857,145 (3)	

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

CAHILL EDWARD L
C/O MASIMO CORPORATION, 40 PARKER X
IRVINE, CA 92618

Signatures

/s/ Mark P. de Raad, 08/13/2007
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) All outstanding shares of the Issuer's Preferred Stock were automatically converted into Common Stock upon the closing of the Issuer's initial public offering, for no additional consideration.

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- Mr. Cahill may be deemed to have an indirect pecuniary interest as a partner of Cahill, Warnock Strategic Partners, L.P., the general
- (2) partner of Cahill, Warnock Strategic Partners Fund, L.P, in these shares of Common Stock. Mr. Cahill disclaims beneficial ownership of the shares held by Cahill, Warnock Strategic Partners Fund, L.P. except to the extent of his pecuniary interest in these shares.
 - (3) Gives effect to the 3-for-1 forward stock split of the Common Stock effected on June 25, 2007.

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.