MASIMO CORP Form 4 August 01, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

OMB APPROVAL

10% Owner Other (specify

response...

if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

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(b).

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading CAHILL EDWARD L Issuer Symbol MASIMO CORP [MASI] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director Officer (give title C/O CAMDEN PARTNERS 07/31/2008

HOLDINGS, LLC, 500 E. PRATT STREET, SUITE 1200

(State)

(Zip)

BALTIMORE, MD 21202

(City)

(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 Form filed by More than One Reporting

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

		Tube 1 Tion Delivative Securities required, Disposed on or Beneficially 6 wheat							
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired (A)	5. Amount of	6.	7. Nature of		
Security	(Month/Day/Year)	Execution Date, if	Transacti	omr Disposed of (D)	Securities	Ownership	Indirect		
(Instr. 3)		any	(Instr. 3, 4 and 5)	Beneficially	Form:	Beneficial			
		(Month/Day/Year)	(Instr. 8)		Owned	Direct (D)	Ownership		
					Following	or Indirect	(Instr. 4)		
				(A)	Reported	(I)			
				(A)	Transaction(s)	(Instr. 4)			
			C-J- V	Or A (D) D	(Instr. 3 and 4)				
			Code V	Amount (D) Price					
							By Cahill,		

Common Stock	07/31/2008	S	2,800	D	\$ 38.0736	803,359	I

Warnock Strategic **Partners** Fund, L.P.

(1)

Common 42,000 D Stock

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

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Iumber Expiration Date		Amou	ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Secur	ities	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr.	. 3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration	Title	or Number		
						Exercisable	Date	Title	of		
				Codo V	(A) (D)						
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

CAHILL EDWARD L C/O CAMDEN PARTNERS HOLDINGS, LLC 500 E. PRATT STREET, SUITE 1200 BALTIMORE, MD 21202

X

Signatures

/s/ Chris Parenteau, Attorney-in-fact

08/01/2008

**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).
- Mr. Cahill may be deemed to have an indirect pecuniary interest as a partner in Cahill, Warnock Strategic Partners, L.P., the general 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.

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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