MASIMO CORP Form 4 July 31, 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 response... 0.5

5. Relationship of Reporting Person(s) to

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

2. Issuer Name and Ticker or Trading

1(b).

Stock

Common

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person *

CAHILL EDWARD L			Symbol MASIMO CORP [MASI]				Issuer				
(Last)	(First)		3. Date of Earliest Transaction (Month/Day/Year)				(Check X Director	all applicable	Owner		
C/O CAMDEN PARTNERS HOLDINGS, LLC, 500 E. PRATT STREET, SUITE 1200			07/29/2008				Officer (give title Other (specify below)				
	(Street)		mendment, I Month/Day/Ye	Č	al	A	5. Individual or Joi Applicable Line) X_ Form filed by Or	•	<u>.</u>		
BALTIMO	ORE, MD 21202					_	Form filed by Morerson	1 0			
(City)	(State)	(Zip) Ta	able I - Non-	-Derivative	e Secu	rities Acqui	red, Disposed of,	or Beneficial	ly Owned		
1.Title of Security (Instr. 3)	Security (Month/Day/Year) Execution		Date, if Transactiomr Disposed of (D) Code (Instr. 3, 4 and 5) ay/Year) (Instr. 8) (A) or			(D)	Securities Ownership Indirect Beneficially Form: Benefic Owned Direct (D) Owners Following or Indirect (Instr. 4 Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4)				
Common	07/29/2008		S	28,731	D	\$ 38.0724	806,159	I	By Cahill, Warnock Strategic		

38.0724

42,000

D

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

Partners Fund, L.P. (1)

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(e.g., puts, calls, warrants, options, convertible securities)

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SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date		Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration	m: 1	or		
						Exercisable	-	of of			
				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

Signatures

/s/ Donald W. Hughes, Attorney-in-Fact

07/31/2008

**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).

X

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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