

Edgar Filing: MASIMO CORP - Form SC 13G

MASIMO CORP  
Form SC 13G  
January 16, 2008

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

-----

SCHEDULE 13G  
(Rule 13d-102)

-----

INFORMATION TO BE INCLUDED IN STATEMENTS PURSUANT TO RULES 13d-1(b), (c)  
AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 UNDER THE  
SECURITIES EXCHANGE ACT OF 1934

MASIMO CORPORATION  
(Name of Issuer)

COMMON STOCK, PAR VALUE \$0.001  
(Title of Class of Securities)

574795100  
(CUSIP Number)

January 7, 2008  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this  
Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

-----

\* The remainder of this cover page shall be filled out for a reporting  
person's initial filing on this form with respect to the subject class of  
securities, and for any subsequent amendment containing information which would  
alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be  
deemed to be "filed" for the purpose of Section 18 of the Securities Exchange  
Act of 1934 (the "Act") or otherwise subject to the liabilities of that section  
of the Act but shall be subject to all other provisions of the Act (however, see  
the Notes).

Schedule 13G  
CUSIP No. 574795100

PAGE 2 OF 43

-----  
(1) NAME OF REPORTING PERSON

Edgar Filing: MASIMO CORP - Form SC 13G

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Davidson Kempner Partners

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a)   
(b)

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
New York

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 116,501

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
116,501

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
116,501

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
0.2%

(12) TYPE OF REPORTING PERSON  
PN

Schedule 13G  
CUSIP No. 574795100

PAGE 3 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Davidson Kempner Institutional Partners, L.P.

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a)   
(b)

(3) SEC USE ONLY

Edgar Filing: MASIMO CORP - Form SC 13G

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Delaware

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 222,045

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
222,045

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
222,045

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
0.4%

(12) TYPE OF REPORTING PERSON  
PN

Schedule 13G  
CUSIP No. 574795100

PAGE 4 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
M.H. Davidson & Co.

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
New York

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER

Edgar Filing: MASIMO CORP - Form SC 13G

12,117  
OWNED BY -----  
EACH (7) SOLE DISPOSITIVE POWER  
0  
REPORTING -----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
12,117  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
12,117  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
0.0%  
-----  
(12) TYPE OF REPORTING PERSON  
PN  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 5 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Davidson Kempner International, Ltd.  
-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]  
-----  
(3) SEC USE ONLY  
-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
British Virgin Islands  
-----  
NUMBER OF (5) SOLE VOTING POWER  
0  
SHARES -----  
BENEFICIALLY (6) SHARED VOTING POWER  
365,580  
OWNED BY -----  
EACH (7) SOLE DISPOSITIVE POWER  
0  
REPORTING -----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
365,580

Edgar Filing: MASIMO CORP - Form SC 13G

-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
365,580  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
0.7%  
-----  
(12) TYPE OF REPORTING PERSON  
CO  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 6 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Serena Limited  
-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]  
-----  
(3) SEC USE ONLY  
-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Cayman Islands  
-----  
NUMBER OF (5) SOLE VOTING POWER  
SHARES 0  
-----  
BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 6,535  
-----  
EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0  
-----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
6,535  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
6,535  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED

Edgar Filing: MASIMO CORP - Form SC 13G

BY AMOUNT IN ROW (9)  
0.0%

(12) TYPE OF REPORTING PERSON  
CO

Schedule 13G  
CUSIP No. 574795100

PAGE 7 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Davidson Kempner Healthcare Fund LP

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a)   
(b)

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Delaware

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 805,583

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
805,583

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
805,583

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
1.5%

(12) TYPE OF REPORTING PERSON  
PN

Edgar Filing: MASIMO CORP - Form SC 13G

Schedule 13G  
CUSIP No. 574795100

PAGE 8 OF 43

-----

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Davidson Kempner Healthcare International Ltd.

-----

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)

(b)

-----

(3) SEC USE ONLY

-----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Cayman Islands

-----

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

-----

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 1,216,278

-----

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

-----

PERSON WITH (8) SHARED DISPOSITIVE POWER  
1,216,278

-----

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
1,216,278

-----

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES

-----

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
2.2%

-----

(12) TYPE OF REPORTING PERSON  
CO

-----

Schedule 13G  
CUSIP No. 574795100

PAGE 9 OF 43

-----

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Edgar Filing: MASIMO CORP - Form SC 13G

MHD Management Co.

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
New York

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 116,501

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
116,501

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
116,501

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
0.2%

(12) TYPE OF REPORTING PERSON  
PN

Schedule 13G  
CUSIP No. 574795100

PAGE 10 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Davidson Kempner Advisers Inc.

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION



Edgar Filing: MASIMO CORP - Form SC 13G

New York

-----  
NUMBER OF (5) SOLE VOTING POWER  
SHARES 0  
-----  
BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 222,045  
-----  
EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0  
-----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
222,045  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
222,045  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
0.4%  
-----  
(12) TYPE OF REPORTING PERSON  
IA  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 11 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Davidson Kempner International Advisors, L.L.C.  
-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]  
-----  
(3) SEC USE ONLY  
-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Delaware  
-----

-----  
NUMBER OF (5) SOLE VOTING POWER  
SHARES 0  
-----  
BENEFICIALLY (6) SHARED VOTING POWER  
372,115  
-----

Edgar Filing: MASIMO CORP - Form SC 13G

OWNED BY -----  
EACH (7) SOLE DISPOSITIVE POWER  
0  
REPORTING -----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
372,115  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
372,115  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
0.7%  
-----  
(12) TYPE OF REPORTING PERSON  
OO  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 12 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
DK Group LLC  
-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]  
-----  
(3) SEC USE ONLY  
-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Delaware  
-----

NUMBER OF (5) SOLE VOTING POWER  
0  
SHARES -----  
BENEFICIALLY (6) SHARED VOTING POWER  
805,583  
OWNED BY -----  
EACH (7) SOLE DISPOSITIVE POWER  
0  
REPORTING -----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
805,583  
-----

Edgar Filing: MASIMO CORP - Form SC 13G

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
805,583

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
1.5%

(12) TYPE OF REPORTING PERSON  
OO

Schedule 13G  
CUSIP No. 574795100

PAGE 13 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
DK Mangement Partners LP

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Delaware

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 1,216,278

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
1,216,278

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
1,216,278

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)

Edgar Filing: MASIMO CORP - Form SC 13G

2.2%

-----  
(12) TYPE OF REPORTING PERSON  
PN  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 14 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
DK Stillwater GP LLC  
-----

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
  
(a)   
(b)

-----  
(3) SEC USE ONLY  
-----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
Delaware  
-----

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0  
-----

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 1,216,278  
-----

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0  
-----

PERSON WITH (8) SHARED DISPOSITIVE POWER  
1,216,278  
-----

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
1,216,278  
-----

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
2.2%  
-----

(12) TYPE OF REPORTING PERSON  
OO  
-----

Edgar Filing: MASIMO CORP - Form SC 13G

Schedule 13G  
CUSIP No. 574795100

PAGE 15 OF 43

-----

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Thomas L. Kempner, Jr.

-----

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)

(b)

-----

(3) SEC USE ONLY

-----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States

-----

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

-----

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639

-----

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

-----

PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639

-----

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639

-----

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES

-----

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%

-----

(12) TYPE OF REPORTING PERSON  
IN

-----

Schedule 13G  
CUSIP No. 574795100

PAGE 16 OF 43

-----

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Marvin H. Davidson

Edgar Filing: MASIMO CORP - Form SC 13G

-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]  
-----  
(3) SEC USE ONLY  
-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States  
-----  
NUMBER OF (5) SOLE VOTING POWER  
SHARES 0  
-----  
BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639  
-----  
EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0  
-----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%  
-----  
(12) TYPE OF REPORTING PERSON  
IN  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 17 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Stephen M. Dowicz  
-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]  
-----  
(3) SEC USE ONLY  
-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States  
-----

Edgar Filing: MASIMO CORP - Form SC 13G

-----

NUMBER OF SHARES	(5)	SOLE VOTING POWER 0	
BENEFICIALLY OWNED BY	(6)	SHARED VOTING POWER 2,744,639	
EACH REPORTING PERSON WITH	(7)	SOLE DISPOSITIVE POWER 0	
	(8)	SHARED DISPOSITIVE POWER 2,744,639	
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,744,639		
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[ ]
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.0%		
(12)	TYPE OF REPORTING PERSON IN		

-----

Schedule 13G  
CUSIP No. 574795100

PAGE 18 OF 43

-----

(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Scott E. Davidson		
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) [ ] (b) [X]
(3)	SEC USE ONLY		
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION United States		

-----

NUMBER OF SHARES	(5)	SOLE VOTING POWER 0	
BENEFICIALLY OWNED BY	(6)	SHARED VOTING POWER 2,744,639	

-----

Edgar Filing: MASIMO CORP - Form SC 13G

EACH (7) SOLE DISPOSITIVE POWER  
0  
REPORTING -----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%  
-----  
(12) TYPE OF REPORTING PERSON  
IN  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 19 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Michael J. Leffell  
-----  
(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]  
-----  
(3) SEC USE ONLY  
-----  
(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States  
-----  
NUMBER OF (5) SOLE VOTING POWER  
0  
SHARES -----  
BENEFICIALLY (6) SHARED VOTING POWER  
2,744,639  
OWNED BY -----  
EACH (7) SOLE DISPOSITIVE POWER  
0  
REPORTING -----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED



Edgar Filing: MASIMO CORP - Form SC 13G

BY EACH REPORTING PERSON  
2,744,639

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%

(12) TYPE OF REPORTING PERSON  
IN

Schedule 13G  
CUSIP No. 574795100

PAGE 20 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Timothy I. Levart

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United Kingdom & United States

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%

Edgar Filing: MASIMO CORP - Form SC 13G

-----  
(12) TYPE OF REPORTING PERSON  
IN  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 21 OF 43

-----  
(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Robert J. Brivio, Jr.  
-----

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
  
(a)   
(b)

-----  
(3) SEC USE ONLY  
-----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States  
-----

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0  
-----

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639  
-----

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0  
-----

PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639  
-----

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639  
-----

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%  
-----

(12) TYPE OF REPORTING PERSON  
IN  
-----

Edgar Filing: MASIMO CORP - Form SC 13G

Schedule 13G  
CUSIP No. 574795100

PAGE 22 OF 43

-----

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Eric P. Epstein

-----

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)

(b)

-----

(3) SEC USE ONLY

-----

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States

-----

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639

-----

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639

-----

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES

-----

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%

-----

(12) TYPE OF REPORTING PERSON  
IN

-----

Schedule 13G  
CUSIP No. 574795100

PAGE 23 OF 43

-----

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Anthony A. Yoseloff

-----

Edgar Filing: MASIMO CORP - Form SC 13G

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
New York

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%

(12) TYPE OF REPORTING PERSON  
IN

Schedule 13G  
CUSIP No. 574795100

PAGE 24 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Avram Z. Friedman

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States

Edgar Filing: MASIMO CORP - Form SC 13G

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639

EACH (7) SOLE DISPOSITIVE POWER  
REPORTING 0

PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639

(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]

(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%

(12) TYPE OF REPORTING PERSON  
IN

Schedule 13G  
CUSIP No. 574795100

PAGE 25 OF 43

(1) NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Conor Bastable

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(a) [ ]  
(b) [X]

(3) SEC USE ONLY

(4) CITIZENSHIP OR PLACE OF ORGANIZATION  
United States

NUMBER OF (5) SOLE VOTING POWER  
SHARES 0

BENEFICIALLY (6) SHARED VOTING POWER  
OWNED BY 2,744,639

Edgar Filing: MASIMO CORP - Form SC 13G

EACH (7) SOLE DISPOSITIVE POWER  
0  
REPORTING -----  
PERSON WITH (8) SHARED DISPOSITIVE POWER  
2,744,639  
-----  
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
2,744,639  
-----  
(10) CHECK BOX IF THE AGGREGATE AMOUNT  
IN ROW (9) EXCLUDES CERTAIN SHARES [ ]  
-----  
(11) PERCENT OF CLASS REPRESENTED  
BY AMOUNT IN ROW (9)  
5.0%  
-----  
(12) TYPE OF REPORTING PERSON  
IN  
-----

Schedule 13G  
CUSIP No. 574795100

PAGE 26 OF 43

-----  
ITEM 1(a). NAME OF ISSUER:

Masimo Corporation. (the "Company")

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

40 Parker  
Irvine, California 92618

ITEM 2(a). NAME OF PERSON FILING:

This Statement is filed by each of the entities and persons listed below,  
all of whom together are referred to herein as the "Reporting Persons":

- (i) Davidson Kempner Partners, a New York limited partnership ("DKP");
- (ii) Davidson Kempner Institutional Partners, L.P., a Delaware limited partnership ("DKIP");
- (iii) M. H. Davidson & Co., a New York limited partnership ("CO");
- (iv) Davidson Kempner International, Ltd., a British Virgin Islands corporation ("DKIL");
- (v) Serena Limited, a Cayman Islands corporation ("Serena");
- (vi) Davidson Kempner Healthcare Fund LP, a Delaware limited

Edgar Filing: MASIMO CORP - Form SC 13G

partnership ("DKHF");

- (vii) Davidson Kempner Healthcare International Ltd., a Cayman Islands corporation ("DKHI");
- (viii) MHD Management Co., a New York limited partnership and the general partner of DKP ("MHD");
- (ix) Davidson Kempner Advisers Inc., a New York corporation and the general partner of DKIP ("DKAI"), which is registered as an investment adviser with the U.S. Securities and Exchange Commission;
- (x) Davidson Kempner International Advisors, L.L.C., a Delaware limited liability company and the manager of DKIL and Serena ("DKIA");
- (xi) DK Group LLC, a Delaware limited liability company and the general partner of DKHF ("DKG");
- (xii) DK Management Partners LP, a Delaware limited partnership and the investment manager of DKHI ("DKMP");

Schedule 13G  
CUSIP No. 574795100

PAGE 27 OF 43

- (xiii) DK Stillwater GP LLC, a Delaware limited liability company and the general partner of DKMP ("DKS"); and
- (xiv) Messrs. Thomas L. Kempner, Jr., Marvin H. Davidson, Stephen M. Dowicz, Scott E. Davidson, Michael J. Leffell, Timothy I. Levart, Robert J. Brivio, Jr., Anthony A. Yoseloff, Eric P. Epstein, Avram Z. Friedman and Conor Bastable (collectively, the "Principals"), who are the general partners of CO and MHD, the sole managing members of DKIA and DKG and the sole stockholders of DKAI. Messrs. Thomas L. Kempner, Jr. and Timothy I. Levart are Executive Managing Member and Deputy Executive Managing Member, respectively, of DKS. Each of Messrs. Kempner and Levart, together with Messrs. Marvin H. Davidson, Stephen M. Dowicz, Scott E. Davidson, Michael J. Leffell, Robert J. Brivio, Jr., Anthony A. Yoseloff, Eric P. Epstein, Avram Z. Friedman and Conor Bastable are limited partners of DKMP.

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE:

The address of the principal business office of each of the Reporting Persons is c/o Davidson Kempner Partners, 65 East 55th Street, 19th Floor, New York, New York 10022.

ITEM 2(c). CITIZENSHIP:

- (i) DKP - a New York limited partnership
- (ii) DKIP - a Delaware limited partnership
- (iii) CO - a New York limited partnership

Edgar Filing: MASIMO CORP - Form SC 13G

- (iv) DKIL - a British Virgin Islands corporation
- (v) Serena - a Cayman Islands corporation
- (vi) DKHF - a Delaware limited partnership
- (vii) DKHI - a Cayman Islands corporation
- (viii) MHD - a New York limited partnership
- (ix) DKAI - a New York corporation
- (x) DKIA - a Delaware limited liability company
- (xi) DKG - a Delaware limited liability company
- (xii) DKMP - a Delaware limited partnership

Schedule 13G  
CUSIP No. 574795100

PAGE 28 OF 43

- (xiii) DKS - a Delaware limited liability company
- (xiv) Thomas L. Kempner, Jr. - United States
- (xv) Marvin H. Davidson - United States
- (xvi) Stephen M. Dowicz - United States
- (xvii) Scott E. Davidson - United States
- (xviii) Michael J. Leffell - United States
- (xix) Timothy I. Levart - United Kingdom & United States
- (xx) Robert J. Brivio, Jr. - United States
- (xxi) Eric P. Epstein - United States
- (xxii) Anthony A. Yoseloff - United States
- (xxiii) Avram Z. Friedman - United States
- (xxiv) Conor Bastable - United States

ITEM 2(d). TITLE OF CLASS OF SECURITIES:

COMMON STOCK, PAR VALUE \$0.001

ITEM 2(e). CUSIP NUMBER:

574795100

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO 13d-1(b) OR 13d-2(b) OR (c),  
CHECK WHETHER THE PERSON FILING IS A:



Edgar Filing: MASIMO CORP - Form SC 13G

- (a)  Broker or dealer registered under Section 15 of the Act;
- (b)  Bank as defined in Section 3(a)(6) of the Act;
- (c)  Insurance Company as defined in Section 3(a)(19) of the Act;
- (d)  Investment Company registered under Section 8 of the Investment Company Act of 1940;
- (e)  Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940: see Rule 13d-1(b)(1)(ii)(E);
- (f)  Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(F);

Schedule 13G  
CUSIP No. 574795100

PAGE 29 OF 43

- (g)  Parent Holding Company, in accordance with Rule 13d-1(b)(ii)(G);
- (h)  Savings Associations as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i)  Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940;
- (j)  Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

ITEM 4. OWNERSHIP.

The Principals may be deemed to beneficially own an aggregate 2,744,639 shares as a result of their voting and dispositive power over the 2,744,639 shares beneficially owned by DKP, DKIP, DKIL, Serena, CO, DKHF and DKHI.

DKIA may be deemed to beneficially own the 365,580 shares beneficially owned by DKIL and the 6,535 shares beneficially owned by Serena as a result of its voting and dispositive power over those shares. DKAI may be deemed to beneficially own the 222,045 shares beneficially owned by DKIP as a result of its voting and dispositive power over those shares. MHD may be deemed to beneficially own the 116,501 shares beneficially owned by DKP as a result of its voting and dispositive power over those shares. DKG may be deemed to beneficially own the 805,583 shares beneficially owned by DKHF as a result of its voting and dispositive power over those shares. DKMP and DKS may be deemed to beneficially own the 1,216,278 shares beneficially owned by DKHI as a result of their voting and dispositive power over those shares.

A. DKP

- (a) Amount beneficially owned: 116,501
- (b) Percent of class: 0.2%
- (c) Number of shares as to which such person has:

Edgar Filing: MASIMO CORP - Form SC 13G

- (i) sole power to vote or to direct the vote: 0
- (ii) shared power to vote or to direct the vote: 116,501
- (iii) sole power to dispose or to direct the disposition: 0
- (iv) shared power to dispose or to direct the disposition: 116,501

B. DKIP

- (a) Amount beneficially owned: 222,045
- (b) Percent of class: 0.4%
- (c) Number of shares as to which such person has:

Schedule 13G  
CUSIP No. 574795100

PAGE 30 OF 43

- (i) sole power to vote or to direct the vote: 0
- (ii) shared power to vote or to direct the vote: 222,045
- (iii) sole power to dispose or to direct the disposition: 0
- (iv) shared power to dispose or to direct the disposition: 222,045

C. CO

- (a) Amount beneficially owned: 12,117
- (b) Percent of class: 0.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 12,117
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 12,117

D. DKIL

- (a) Amount beneficially owned: 365,580
- (b) Percent of class: 0.7%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 365,580
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 365,580

Edgar Filing: MASIMO CORP - Form SC 13G

E. Serena

- (a) Amount beneficially owned: 6,535
- (b) Percent of class: 0.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 6,535

Schedule 13G  
CUSIP No. 574795100

PAGE 31 OF 43

- (iii) sole power to dispose or to direct the disposition: 0
- (iv) shared power to dispose or to direct the disposition: 6,535

F. DKHF

- (a) Amount beneficially owned: 805,583
- (b) Percent of class: 1.5%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 805,583
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 805,583

G. DKHI

- (a) Amount beneficially owned: 1,216,278
- (b) Percent of class: 2.2%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 1,216,278
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition:  
1,216,278

H. MHD

- (a) Amount beneficially owned: 116,501
- (b) Percent of class: 0.2%

Edgar Filing: MASIMO CORP - Form SC 13G

- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 116,501
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 116,501

Schedule 13G  
CUSIP No. 574795100

PAGE 32 OF 43

I. DKAI

- (a) Amount beneficially owned: 222,045
- (b) Percent of class: 0.4%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 222,045
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 222,045

J. DKIA

- (a) Amount beneficially owned: 372,115
- (b) Percent of class: 0.7%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 372,115
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 372,115

K. DKG

- (a) Amount beneficially owned: 805,583
- (b) Percent of class: 1.5%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 805,583

Edgar Filing: MASIMO CORP - Form SC 13G

(iii) sole power to dispose or to direct the disposition: 0

(iv) shared power to dispose or to direct the disposition: 805,583

Schedule 13G  
CUSIP No. 574795100

PAGE 33 OF 43

L. DKMP

(a) Amount beneficially owned: 1,216,278

(b) Percent of class: 2.2%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote: 0

(ii) shared power to vote or to direct the vote: 1,216,278

(iii) sole power to dispose or to direct the disposition: 0

(iv) shared power to dispose or to direct the disposition:  
1,216,278

M. DKS

(a) Amount beneficially owned: 1,216,278

(b) Percent of class: 2.2%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote: 0

(ii) shared power to vote or to direct the vote: 1,216,278

(iii) sole power to dispose or to direct the disposition: 0

(iv) shared power to dispose or to direct the disposition:  
1,216,278

N. Thomas L. Kempner, Jr.

(a) Amount beneficially owned: 2,744,639

(b) Percent of class: 5.0%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote: 0

(ii) shared power to vote or to direct the vote: 2,744,639

(iii) sole power to dispose or to direct the disposition: 0

(iv) shared power to dispose or to direct the disposition:

Edgar Filing: MASIMO CORP - Form SC 13G

2,744,639

Schedule 13G  
CUSIP No. 574795100

PAGE 34 OF 43

O. Marvin H. Davidson

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition:  
2,744,639

P. Stephen M. Dowicz

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition:  
2,744,639

Q. Scott E. Davidson

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition:  
2,744,639

Edgar Filing: MASIMO CORP - Form SC 13G

Schedule 13G  
CUSIP No. 574795100

PAGE 35 OF 43

R. Michael J. Leffell

- (a) Amount beneficially owned. 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition:  
2,744,639

S. Timothy I. Levart

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition:  
2,744,639

T. Robert J. Brivio, Jr.

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition:  
2,744,639

Schedule 13G

Edgar Filing: MASIMO CORP - Form SC 13G

CUSIP No. 574795100

PAGE 36 OF 43

U. Eric P. Epstein

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 2,744,639

V. Anthony A. Yoseloff

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 2,744,639

W. Avram Z. Friedman

- (a) Amount beneficially owned: 2,744,639
- (b) Percent of class: 5.0%
- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote: 0
  - (ii) shared power to vote or to direct the vote: 2,744,639
  - (iii) sole power to dispose or to direct the disposition: 0
  - (iv) shared power to dispose or to direct the disposition: 2,744,639

Y. Conor Bastable

- (a) Amount beneficially owned: 2,744,639



Edgar Filing: MASIMO CORP - Form SC 13G

(b) Percent of class: 5.0%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote: 0

(ii) shared power to vote or to direct the vote: 2,744,639

(iii) sole power to dispose or to direct the disposition: 0

(iv) shared power to dispose or to direct the disposition:  
2,744,639

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not applicable.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

The partners, members or stockholders of each of the Reporting Persons, including the Principals, have the right to participate in the receipt of dividends from, or proceeds from the sale of, the securities held for the account of such Reporting Person in accordance with their ownership interests in such Reporting Person. The Reporting Persons disclaim all beneficial ownership as affiliates of a registered investment adviser, and, in any case, disclaim beneficial ownership except as to the extent of their pecuniary interest in the shares. The Reporting Persons have elected to file Schedule 13G although such filing may not be required under the Act.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

See Item 4.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable.

ITEM 10. CERTIFICATION. (if filing pursuant to Rule 13d-1(c))

Each of the Reporting Persons hereby makes the following certification:

By signing below we certify that, to the best of our knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Edgar Filing: MASIMO CORP - Form SC 13G

SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: January 16, 2008

DAVIDSON KEMPNER PARTNERS  
By: MHD Management Co.,  
its General Partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Managing Partner

DAVIDSON KEMPNER INSTITUTIONAL  
PARTNERS, L.P.  
By: Davidson Kempner Advisers Inc.,  
its General Partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: President

M.H. DAVIDSON & CO.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Managing Partner

DAVIDSON KEMPNER INTERNATIONAL, LTD.  
By: Davidson Kempner International  
Advisors, L.L.C.,  
its Investment Manager

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

SERENA LIMITED  
By: Davidson Kempner International  
Advisors, L.L.C.,  
its Investment Manager

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

Edgar Filing: MASIMO CORP - Form SC 13G

DAVIDSON KEMPNER HEALTHCARE FUND LP  
By: DK Group LLC,  
its General Partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DAVIDSON KEMPNER HEALTHCARE  
INTERNATIONAL LTD.  
By: DK Management Partners LP,  
its Investment Manager  
By: DK Stillwater GP LLC, its general  
partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

MHD MANAGEMENT CO.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Managing Partner

DAVIDSON KEMPNER ADVISERS INC.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: President

DAVIDSON KEMPNER INTERNATIONAL  
ADVISORS, L.L.C.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DK GROUP LLC

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DK MANAGEMENT PARTNERS LP  
By: DK Stillwater GP LLC, its general  
partner

Edgar Filing: MASIMO CORP - Form SC 13G

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DK STILLWATER GP LLC

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

/S/ THOMAS L. KEMPNER, JR.  
-----

Thomas L. Kempner, Jr.

/S/ MARVIN H. DAVIDSON  
-----

Marvin H. Davidson

/S/ STEPHEN M. DOWICZ  
-----

Stephen M. Dowicz

/S/ SCOTT E. DAVIDSON  
-----

Scott E. Davidson

/S/ MICHAEL J. LEFFELL  
-----

Michael J. Leffell

/S/ TIMOTHY I. LEVART  
-----

Timothy I. Levart

/S/ ROBERT J. BRIVIO, JR.  
-----

Robert J. Brivio, Jr.

/S/ ERIC P. EPSTEIN  
-----

Eric P. Epstein

/S/ ANTHONY A. YOSELOFF  
-----

Anthony A. Yoseloff

/S/ AVRAM Z. FRIEDMAN  
-----

Avram Z. Friedman

/S/ CONOR BASTABLE  
-----

Conor Bastable

Edgar Filing: MASIMO CORP - Form SC 13G

EXHIBIT 1

JOINT ACQUISITION STATEMENT

PURSUANT TO RULE 13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G, shall be filed on behalf of each of the undersigned without the necessity of filing additional joint acquisition statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATED: January 16, 2008

DAVIDSON KEMPNER PARTNERS  
By: MHD Management Co.,  
its General Partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Managing Partner

DAVIDSON KEMPNER INSTITUTIONAL  
PARTNERS, L.P.  
By: Davidson Kempner Advisers Inc.,  
its General Partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: President

M.H. DAVIDSON & CO.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Managing Partner

DAVIDSON KEMPNER INTERNATIONAL, LTD.  
By: Davidson Kempner International  
Advisors, L.L.C.,  
its Investment Manager

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

Edgar Filing: MASIMO CORP - Form SC 13G

SERENA LIMITED  
By: Davidson Kempner International  
Advisors, L.L.C.,  
its Investment Manager

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DAVIDSON KEMPNER HEALTHCARE FUND LP  
By: DK Group LLC,  
its General Partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DAVIDSON KEMPNER HEALTHCARE  
INTERNATIONAL LTD.  
By: DK Management Partners LP,  
its Investment Manager  
By: DK Stillwater GP LLC, its general  
partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

MHD MANAGEMENT CO.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Managing Partner

DAVIDSON KEMPNER ADVISERS INC.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: President

DAVIDSON KEMPNER INTERNATIONAL  
ADVISORS, L.L.C.

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DK GROUP LLC

/S/ THOMAS L. KEMPNER, JR.

Edgar Filing: MASIMO CORP - Form SC 13G

-----  
Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DK MANAGEMENT PARTNERS LP  
By: DK Stillwater GP LLC, its general  
partner

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

DK STILLWATER GP LLC

/S/ THOMAS L. KEMPNER, JR.  
-----

Name: Thomas L. Kempner, Jr.  
Title: Executive Managing Member

/S/ THOMAS L. KEMPNER, JR.  
-----

Thomas L. Kempner, Jr.

/S/ MARVIN H. DAVIDSON  
-----

Marvin H. Davidson

/S/ STEPHEN M. DOWICZ  
-----

Stephen M. Dowicz

/S/ SCOTT E. DAVIDSON  
-----

Scott E. Davidson

/S/ MICHAEL J. LEFFELL  
-----

Michael J. Leffell

/S/ TIMOTHY I. LEVART  
-----

Timothy I. Levart

/S/ ROBERT J. BRIVIO, JR.  
-----

Robert J. Brivio, Jr.

/S/ ERIC P. EPSTEIN  
-----

Eric P. Epstein

/S/ ANTHONY A. YOSELOFF  
-----

Anthony A. Yoseloff

/S/ AVRAM Z. FRIEDMAN  
-----

Avram Z. Friedman

/S/ CONOR BASTABLE  
-----

