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MASIMO CORP
Form SC 13G
February 14, 2008

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. _)*

Masimo Corporation

(Name of Issuer)

Common Stock

(Title of Class of Securities)

574795100

(CUSIP Number)

December 31, 2007

(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 ("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

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-
1. Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).
Invesco Ltd.
 AIM Funds Management Inc.
 Invesco Private Capital, Inc.
 PowerShares Capital Management LLC

-
2. Check the Appropriate Box if a Member of a Group (see Instructions)
(a)
(b)

-
3. SEC Use Only _____

-
4. Citizenship or Place of Organization
Invesco Ltd. -- Bermuda
 AIM Funds Management Inc. - Canada
 Invesco Private Capital, Inc. - US
 PowerShares Capital Management LLC - US

-
5. Sole Voting Power: 461,242 Such shares are held by the following entities in the respective amounts listed:

AIM Funds Management Inc. -- 422,72
PowerShares Capital Management LLC

Number of Shares
Beneficially Owned
by Each Reporting
Person With

-
6. Shared Voting Power: 3,527,763 Such shares are held by the following entities in the respective amounts listed:

Invesco Private Capital, Inc. -- 3,

-
7. Sole Dispositive Power: 461,242 Such shares are held by the following entities in the respective amounts listed:

AIM Funds Management Inc. -- 422,72
PowerShares Capital Management LLC

-
8. Shared Dispositive Power: 3,527,763 Such Person With shares are held by the

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following entities in the respective amounts listed:

Invesco Private Capital, Inc. -- 3,

9. Aggregate Amount Beneficially Owned by Each Reporting Person:
3,989,005

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares
(See Instructions) N/A

11. Percent of Class Represented by Amount in Row (9) 7.30%

12. Type of Reporting Person (See Instructions)
IA, HC. See Items 2 and 3 of this statement.

SCHEDULE 13G

Item 1(a) Name of Issuer:
Masimo Corporation

Item 1(b) Address of Issuer's Principal Executive Offices:
40 Parker
Irvine, CA 92618
United States

Item 2(a) Name of Person Filing:
Invesco Ltd.

In accordance with Securities and Exchange Commission Release No. 34-39538 (January 12, 1998), this statement on Schedule 13G or amendment thereto is being filed by Invesco Ltd. ("Invesco"), a Bermuda Company, on behalf of itself and its subsidiaries listed in Item 4 of the cover of this statement. Invesco through such subsidiaries provides investment management services to institutional and individual investors worldwide.

Executive officers and directors of Invesco or its subsidiaries may beneficially own shares of the securities of the issuer to which this statement relates (the "Shares"), and such Shares are not reported in this statement. Invesco and its subsidiaries disclaim beneficial ownership of Shares beneficially owned by any of their executive officers and directors. Each of Invesco's direct and indirect subsidiaries also disclaim beneficial ownership of Shares beneficially owned by Invesco and any other subsidiary.

Item 2(b) Address of Principal Business Office:
1360 Peachtree Street NE
Atlanta, GA 30309

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United States

- Item 2(c) Citizenship:
See the response to Item 2(a) of this statement.
- Item 2(d) Title of Class of Securities:
Common Stock, .001 par value per share
- Item 2(e) CUSIP Number:
574795100
- Item 3 If this statement is filed pursuant to ss240.13d-1(b) or
240.13d-2(b) or (c), check whether the person filing is a:
- (e) An investment adviser in accordance with section
240.13d-1(b)(1)(ii)(E)
- (g) A parent holding company or control person in accordance with
section 240.13d-1(b)(1)(ii)(G)
- As noted in Item 2 above, Invesco is making this filing on
behalf of its subsidiaries listed herein. Each of these
entities is either an investment adviser registered with the
United States Securities and Exchange Commission under Section
203 of the Investment Advisers Act of 1940, as amended, or
under similar laws of other jurisdictions. Invesco is a
holding company.
- Item 4 Ownership:
Please see responses to Items 5-8 on the cover of this
statement, which are incorporated herein by reference.
- Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of
the date hereof the reporting person has ceased to be the
beneficial owner of more than five percent of the class of
securities, check the following
[]
- Item 6 Ownership of More than Five Percent on Behalf of Another
Person:
N/A
- Item 7 Identification and Classification of the Subsidiary Which
Acquired the Security Being reported on By the Parent Holding
Company:
Please see Item 3 of this statement, which is incorporated
herein by reference.
- Item 8 Identification and Classification of Members of the Group:
N/A
- Item 9 Notice of Dissolution of a Group:
N/A
- Item 10 Certification:
By signing below I certify that, to the best of my knowledge
and belief, the securities referred to above were acquired and
are held in the ordinary course of business and were not
acquired and are not held for the purpose of or with the

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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.

Signature:

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

02/09/2008

Date

Invesco Ltd.

By: /s/ Lisa Brinkley

Lisa Brinkley
Global Compliance Director