

MASIMO CORP  
Form 8-K  
December 13, 2007

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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

**FORM 8-K**

**CURRENT REPORT**

**PURSUANT TO SECTION 13 OR 15(d) OF THE**  
**SECURITIES EXCHANGE ACT OF 1934**

Date of Report (Date of earliest event reported): December 11, 2007

**MASIMO CORPORATION**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-33642**  
(Commission File Number)

**33-0368882**  
(I.R.S. Employer  
Identification No.)

**40 Parker**  
**Irvine, California**  
(Address of principal executive offices)

**92618**  
(Zip Code)

**(949) 297-7000**

(Registrant's telephone number, including area code)

**Not Applicable**

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

.. Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

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- .. Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  
  - .. Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  
  - .. Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

(b) On December 11, 2007, Bradley Langdale, Executive Vice President, Chief Marketing Officer of Masimo Corporation (the Company), tendered his resignation from the Company effective as of December 14, 2007, for personal reasons.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**MASIMO CORPORATION**

Date: December 13, 2007

By: /s/ Christopher Kilpatrick  
Christopher Kilpatrick

*Executive Vice President, Business Development,*

*General Counsel and Secretary*