

MASIMO CORP  
Form 8-K  
February 25, 2008

**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): February 25, 2008

**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)

**(949) 297-7000**  
**92618**  
(Zip Code)

(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:

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

**Item 7.01. Regulation FD Disclosure.**

On February 25, 2008, Masimo Corporation (the Company ) issued a press release announcing that the Company will debut technology for noninvasive and continuous total hemoglobin and oxygen content monitoring at the World Congress of Anesthesiology in Cape Town, South Africa, on March 3, 2008. A copy of the press release is furnished herewith as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

In accordance with General Instruction B.2 of Form 8-K, the information in this Current Report on Form 8-K, including Exhibit 99.1, shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act ), or otherwise subject to the liability of that section, and shall not be incorporated by reference into any registration statement or other document filed under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

**Item 9.01. Financial Statements and Exhibits.**

(d) Exhibits

<b>Exhibit No.</b>	<b>Description</b>
99.1	Press Release, dated February 25, 2008, issued by Masimo Corporation.

**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 thereunto duly authorized.

**MASIMO CORPORATION**

Date: February 25, 2008

By: /s/ Mark P. de Raad  
Mark P. de Raad

Executive Vice President and Chief Financial Officer

**EXHIBIT INDEX**

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