

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
August 18, 2008**

**ORDER GRANTING CONFIDENTIAL TREATMENT  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

**Masimo Corporation**

**File No. 1-33642 - CF#22229**

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Masimo Corporation submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 8-K filed on June 5, 2008.

Based on representations by Masimo Corporation that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit will not be released to the public for the time period specified:

Exhibit 10.1                      through September 1, 2014

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Pamela Howell  
Special Counsel