SOMANETICS CORP Form 8-K June 21, 2010

OMB APPROVAL

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

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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) June 21, 2010

SOMANETICS CORPORATION

(Exact name of registrant as specified in its charter)

Michigan 0-19095 38-2394784
(State or other jurisdiction (Commission (IRS Employer of incorporation) File Number) Identification No.)

2600 Troy Center Drive, Troy, Michigan
(Address of principal executive offices)

48084-4771
(Zip Code)

Registrant's telephone number, including area code (248) 244-1400

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

- " Written communication pursuant to Rule 425 under the Securities Act.
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act.
- x Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act.
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act.

Item 2.02. Results of Operations and Financial Condition

On June 21, 2010, Somanetics Corporation announced its financial results for the second quarter ended May 31, 2010 and certain other information. A copy of the press release is furnished with this report following the signature page and is incorporated in this Item 2.02 by reference. The information in this report and the attached press release shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, except as shall be expressly stated by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits

Exhibits Description

99.1 News release dated June 21, 2010

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.

Dated: June 21, 2010 SOMANETICS CORPORATION

(Registrant)

By: /s/ Mary Ann Victor

Mary Ann Victor

Its: Vice President, Chief Administrative

Officer, General Counsel and Secretary

EXHIBIT INDEX

Exhibits Description

News release dated June 21, 2010