

SOMANETICS CORP  
Form S-8 POS  
July 23, 2007

As filed with the Securities and Exchange Commission on July 23, 2007  
Registration No. 333-93538

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

**POST-EFFECTIVE AMENDMENT NO. 2 TO FORM S-8**  
**REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933**

**SOMANETICS CORPORATION**  
(Exact name of registrant as specified in its charter)

Michigan 38-2394784

(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification No.)

1653 East Maple Road, Troy, Michigan 48083-4208

(Address of Principal Executive Offices) (Zip Code)

STOCK OPTION AGREEMENT, DATED MAY 16, 1994  
STOCK OPTION AGREEMENTS, DATED JULY 21, 1994  
STOCK OPTION AGREEMENT, DATED SEPTEMBER 26, 1994

(Full title of the plans)  
Bruce J. Barrett, President  
Somanetics Corporation  
1653 East Maple Road  
Troy, Michigan 48083-4208

(Name and address of agent for service)  
(248) 689-3050

(Telephone number, including area code, of agent for service)

**Calculation of Registration Fee**

Title of securities to be registered	Amount to be registered	Proposed maximum offering price per share	Proposed maximum aggregate offering price	Amount of registration fee
Common Shares (1) (2)	26,265 shares	\$10.00 (3)	\$262,650.00	
Common Shares (2)	25,000 shares	\$12.50 (3)	\$312,500.00	
Total	51,265 shares		\$575,150.00	\$656.07 (4)

(1) \$0.01 par value per share.

(2)

Reflects the  
1-for-10 reverse  
stock split effective  
April 10, 1997 and  
the deregistration  
of 2,068  
(post-reverse-split)  
Common Shares  
previously subject  
to the July 21, 1994  
Stock Option  
Agreements, which  
shares are no  
longer issuable  
after the expiration  
of the July 21,  
1994 Stock Option  
Agreements,  
partially  
unexercised.

- (3) Calculated pursuant to Rule 457(h) solely for the purpose of computing the registration fee and based on the exercise price of the options.
- (4) The registration fee was paid upon the filing of the original registration statement

This Post-Effective Amendment No. 2 is being filed (1) to reflect the effect of the 1-for-10 reverse stock split effective April 10, 1997 on the shares registered, (2) to deregister 2,068 (post-reverse-split) Common Shares previously subject to the July 21, 1994 Stock Option Agreements, which shares are no longer issuable after the expiration of the July 21, 1994 Stock Option Agreements, partially unexercised, and (3) to disclose the completion of the offering of the remaining shares.

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**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this post-effective amendment no. 2 to registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Troy, State of Michigan, on July 23, 2007.

**SOMANETICS CORPORATION**

By: /s/ BRUCE J. BARRETT  
 Bruce J. Barrett,  
 Its: President and Chief Executive  
 Officer

Pursuant to the requirements of the Securities Act of 1933, this post-effective amendment no. 2 to registration statement has been signed by the following persons in the capacities and on the date indicated.

Signature	Title	Date
/s/ BRUCE J. BARRETT	President and Chief Executive Officer	July 23, 2007
Bruce J. Barrett	and a Director (Principal Executive Officer)	
/s/ WILLIAM M. IACONA	Vice President and Chief Financial Officer,	July 23, 2007
William M. Iacona	Controller, and Treasurer (Principal Financial Officer and Principal Accounting Officer)	
/s/ JAMES I. AUSMAN	Director	July 23, 2007
James I. Ausman, M.D., Ph.D.		
/s/ DANIEL S. FOLLIS	Director	July 23, 2007
Daniel S. Follis		
/s/ ROBERT R. HENRY	Director	July 23, 2007
Robert R. Henry		
/s/ RICHARD R. SORENSEN	Director	July 23, 2007
Richard R. Sorensen		
/s/ JOHN P. JUMPER	Director	July 23, 2007
John P. Jumper		