

SOMANETICS CORP  
Form SC 13D/A  
June 29, 2010

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

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 3)\*

OMB  
APPROVAL  
OMB Number:  
3235-0145  
Expires:  
February  
28, 2009  
Estimated  
average  
burden hours per  
response. . 14.5

SOMANETICS CORPORATION

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(Name of Issuer)

Common Stock, par value \$0.01 per share

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(Title of Class of Securities)

834445405

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(CUSIP Number)

Michael R. Murphy  
Discovery Group I, LLC  
191 North Wacker Drive  
Suite 1685  
Chicago, Illinois 60606  
Telephone Number: (312) 265-9600

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(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

June 25, 2010

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(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. o

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Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSIP No. 834445405

1. Names of Reporting Persons.  
Discovery Equity Partners, L.P.
2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)
3. SEC Use Only
4. Source of Funds (See Instructions)  
WC
5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)
6. Citizenship or Place of Organization  
Illinois
7. Sole Voting Power  
None.
8. Shared Voting Power  
484,235
9. Sole Dispositive Power  
None.
10. Shared Dispositive Power  
484,235
11. Aggregate Amount Beneficially Owned by Each Reporting Person  
484,235
12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)
13. Percent of Class Represented by Amount in Row (11)  
4.1%
14. Type of Reporting Person (See Instructions)  
PN

CUSIP No. 834445405

1. Names of Reporting Persons.  
Discovery Group I, LLC
2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)
3. SEC Use Only
4. Source of Funds (See Instructions)  
AF
5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)
6. Citizenship or Place of Organization  
Delaware
7. Sole Voting Power  
None.
8. Shared Voting Power  
569,714
9. Sole Dispositive Power  
None.
10. Shared Dispositive Power  
569,714
11. Aggregate Amount Beneficially Owned by Each Reporting Person  
569,714
12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)
13. Percent of Class Represented by Amount in Row (11)  
4.8%
14. Type of Reporting Person (See Instructions)  
OO

CUSIP No. 834445405

1. Names of Reporting Persons.  
Daniel J. Donoghue
2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)
3. SEC Use Only
4. Source of Funds (See Instructions)  
AF
5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)
6. Citizenship or Place of Organization  
United States of America

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

- |     |                                     |
|-----|-------------------------------------|
| 7.  | Sole Voting Power<br>None.          |
| 8.  | Shared Voting Power<br>569,714      |
| 9.  | Sole Dispositive Power<br>None.     |
| 10. | Shared Dispositive Power<br>569,714 |
11. Aggregate Amount Beneficially Owned by Each Reporting Person  
569,714
  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)
  13. Percent of Class Represented by Amount in Row (11)  
4.8%
  14. Type of Reporting Person (See Instructions)  
IN
-

CUSIP No. 834445405

1. Names of Reporting Persons.  
Michael R. Murphy
2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)
3. SEC Use Only
4. Source of Funds (See Instructions)  
AF
5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)
6. Citizenship or Place of Organization  
United States of America

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

- |     |                                     |
|-----|-------------------------------------|
| 7.  | Sole Voting Power<br>None.          |
| 8.  | Shared Voting Power<br>569,714      |
| 9.  | Sole Dispositive Power<br>None.     |
| 10. | Shared Dispositive Power<br>569,714 |
11. Aggregate Amount Beneficially Owned by Each Reporting Person  
569,714
  12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)
  13. Percent of Class Represented by Amount in Row (11)  
4.8%
  14. Type of Reporting Person (See Instructions)  
IN
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Item 1. Security and Issuer

This Amendment No. 3 to Schedule 13D (“Amendment No. 3”) relates to the Common Stock, par value \$0.01 per share (the “Common Stock”), of Somanetics Corporation, a Michigan corporation (the “Company”), which has its principal executive offices at 2600 Troy Center Drive, Troy, Michigan 48084. This Amendment No. 3 amends and supplements, as set forth below, the information contained in items 1, 3, 5 and 6 of the Schedule 13D filed by the Reporting Persons with respect to the Company on December 28, 2009, as amended by Amendment No. 1 thereto filed by the Reporting Persons with respect to the Company on January 7, 2010 and Amendment No. 2 thereto filed by the Reporting Persons with respect to the Company on February 8, 2010 (as so amended, the “Schedule 13D”). All capitalized terms used herein but not defined herein have the meanings set forth in the Schedule 13D. Except as amended by this Amendment No. 3, all information contained in the Schedule 13D is, after reasonable inquiry and to the best of the Reporting Persons’ knowledge and belief, true, complete and correct as of the date of this Amendment No. 3.

Item 3. Source and Amount of Funds or Other Consideration

Item 3 of the Schedule 13D is hereby amended to read in its entirety as follows:

The total purchase price for the 569,714 shares of Common Stock beneficially owned by Discovery Group and Messrs. Donoghue and Murphy as of June 28, 2010 was approximately \$8,573,386, and the total purchase price for the 484,235 shares of Common Stock beneficially owned by Discovery Equity Partners was approximately \$7,287,045. The source of such funds was the assets of Discovery Equity Partners and another private investment partnership (collectively, the “Partnerships”) over which Discovery Group exercises discretionary investment management authority, including proceeds of margin loans under margin loan facilities maintained in the ordinary course of business by the Partnerships with a broker on customary terms and conditions. The Partnerships are the legal owner of all of the Common Stock beneficially owned by Discovery Group and Messrs. Donoghue and Murphy.

Item 5. Interest in Securities of the Issuer

Item 5 of the Schedule 13D is hereby amended to read in its entirety as follows:

The information concerning percentages of ownership set forth below is based on 11,953,384 shares of Common Stock reported outstanding as of June 16, 2010 in the Company’s Solicitation/Recommendation Statement on Schedule 14D-9, filed on June 25, 2010.

Discovery Equity Partners beneficially owns 484,235 shares of Common Stock as of June 28, 2010, which represents 4.1% of the outstanding Common Stock.

Discovery Group beneficially owns 569,714 shares of Common Stock as of June 28, 2010, which represents 4.8% of the outstanding Common Stock.

Mr. Donoghue beneficially owns 569,714 shares of Common Stock as of June 28, 2010, which represents 4.8% of the outstanding Common Stock.

Mr. Murphy beneficially owns 569,714 shares of Common Stock as of June 28, 2010, which represents 4.8% of the outstanding Common Stock.

Discovery Group is the sole general partner of Discovery Equity Partners and has sole discretionary investment authority with respect to the other Partnership's investment in the Common Stock. Messrs. Donoghue and Murphy are the sole managing members of Discovery Group. As a consequence, Discovery Group and Messrs. Donoghue and Murphy may be deemed to share beneficial ownership of all of the shares of Common Stock owned by both of the Partnerships, while Discovery Equity Partners shares beneficial ownership with Discovery Group and Messrs. Donoghue and Murphy of only the shares of Common Stock owned by it.

The transactions in Common Stock effected by the Reporting Persons during the past 60 days are set out in Exhibit 1 hereto.

No person other than the Partnerships is known to any Reporting Person to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, any of the shares of Common Stock reported herein.

Discovery Equity Partners ceased to be the beneficial owner of more than five percent of the Common Stock on June 25, 2010. Each of Discovery Group and Messrs. Donoghue and Murphy ceased to be the beneficial owner of more than five percent of the Common Stock on June 28, 2010.

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Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer

Item 6 of the Schedule 13D is hereby amended to read in its entirety as follows:

There are no contracts, arrangements, understandings or relationships (legal or otherwise) between or among any of the Reporting Persons and any other person with respect to any securities of the Company other than the governing documents of Discovery Group and the Partnerships, the margin loan facilities referred to under Item 3 above, the Joint Filing Agreements of the Reporting Persons with respect to the Schedule 13D that were included as exhibits thereto, the Joint Filing Agreement of the Reporting Persons with respect to this Amendment No. 3 included as Exhibit 2 to this Amendment No. 3, and the Powers of Attorney granted by Messrs Donoghue and Murphy with respect to reports under Section 13 of the Securities Exchange Act of 1934, as amended, which Powers of Attorney are included as Exhibit 3 and Exhibit 4, respectively, to this Amendment No. 3.

Item 7. Material to Be Filed as Exhibits

Exhibit 1: List of transactions effected by the Reporting Persons in the Company's Common Stock during the past 60 days.

Exhibit 2: Joint Filing Agreement dated as of June 29, 2010, by and among Discovery Equity Partners; Discovery Group; Daniel J. Donoghue; and Michael R. Murphy.

Exhibit 3: Power of Attorney of Daniel J. Donoghue, dated as of April 28, 2008.

Exhibit 4: Power of Attorney of Michael R. Murphy, dated as of April 28, 2008.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

June 29, 2010

Date

DISCOVERY GROUP I, LLC,  
for itself and as general partner of  
DISCOVERY EQUITY PARTNERS, L.P.

By: Michael R. Murphy\*  
Signature

Michael R. Murphy, Managing Member  
Name/Title

Daniel J. Donoghue\*  
Signature

Daniel J. Donoghue  
Name/Title

Michael R. Murphy\*  
Signature

Michael R. Murphy  
Name/Title

\*By: /s/ Mark Buckley  
Mark Buckley  
Attorney-in-Fact for Daniel J. Donoghue  
Attorney-in-Fact for Michael R. Murphy

Exhibit Index

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- Exhibit 2 Joint Filing Agreement dated as of June 29, 2010, by and among Discovery Equity Partners; Discovery Group; Daniel J. Donoghue; and Michael R. Murphy.
- Exhibit 3 Power of Attorney of Daniel J. Donoghue, dated as of April 28, 2008.
- Exhibit 4 Power of Attorney of Michael R. Murphy, dated as of April 28, 2008.