

SOMANETICS CORP  
 Form 4  
 September 29, 2005

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 SPADAFORE DOMINIC J

(Last) (First) (Middle)

C/O SOMANETICS CORPORATION, 1653 EAST MAPLE ROAD

(Street)

TROY, MI 48083

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 SOMANETICS CORP [SMTS]

3. Date of Earliest Transaction (Month/Day/Year)  
 09/27/2005

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 V.P., Sales and Marketing

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |   |        | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |            |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--------|---|--|---|------------|
|                                 |                                      |  |                                | Code  | V | Amount |   |  |   | (A) or (D) |
| Common Shares                   | 09/27/2005                           |  | M                              |   |   | 20,000 | \$ 2.3  | 23,500   | D   |            |
| Common Shares                   | 09/27/2005                           |  | S                              |   |   | 2,918  | \$ 23.76  | 20,582   | D   |            |
| Common Shares                   | 09/27/2005                           |  | S                              |   |   | 400    | \$ 23.9   | 20,182   | D   |            |
| Common Shares                   | 09/27/2005                           |  | S                              |   |   | 1,700  | \$ 23.91  | 18,482   | D   |            |
| Common Shares                   | 09/27/2005                           |  | S                              |   |   | 100    | \$ 23.94  | 18,382   | D   |            |

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|               |            |   |       |   |          |        |   |
|---------------|------------|---|-------|---|----------|--------|---|
| Common Shares | 09/27/2005 | S | 1,088 | D | \$ 24    | 17,294 | D |
| Common Shares | 09/27/2005 | S | 100   | D | \$ 24.01 | 17,194 | D |
| Common Shares | 09/27/2005 | S | 200   | D | \$ 24.03 | 16,994 | D |
| Common Shares | 09/27/2005 | S | 1,943 | D | \$ 24.09 | 15,051 | D |
| Common Shares | 09/27/2005 | S | 500   | D | \$ 24.21 | 14,551 | D |
| Common Shares | 09/27/2005 | S | 100   | D | \$ 24.35 | 14,451 | D |
| Common Shares | 09/27/2005 | S | 93    | D | \$ 24.36 | 14,358 | D |
| Common Shares | 09/27/2005 | S | 1,719 | D | \$ 24.39 | 12,639 | D |
| Common Shares | 09/27/2005 | S | 100   | D | \$ 24.4  | 12,539 | D |
| Common Shares | 09/27/2005 | S | 100   | D | \$ 24.41 | 12,439 | D |
| Common Shares | 09/27/2005 | S | 300   | D | \$ 24.44 | 12,139 | D |
| Common Shares | 09/27/2005 | S | 1,139 | D | \$ 24.45 | 11,000 | D |
| Common Shares | 09/27/2005 | S | 100   | D | \$ 24.5  | 10,900 | D |
| Common Shares | 09/28/2005 | S | 3,115 | D | \$ 23.5  | 7,785  | D |
| Common Shares | 09/28/2005 | S | 900   | D | \$ 23.51 | 6,885  | D |
| Common Shares | 09/28/2005 | S | 100   | D | \$ 23.57 | 6,785  | D |
| Common Shares | 09/28/2005 | S | 2,700 | D | \$ 23.86 | 4,085  | D |
| Common Shares | 09/28/2005 | S | 100   | D | \$ 23.87 | 3,985  | D |
| Common Shares | 09/28/2005 | S | 205   | D | \$ 23.88 | 3,780  | D |
| Common Shares | 09/28/2005 | S | 200   | D | \$ 23.91 | 3,580  | D |
|               | 09/28/2005 | S | 80    | D |          | 3,500  | D |

Common Shares \$ 23.92

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |        |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------|----------------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title  | Amount or Number of Shares |
| Employee stock option (right to buy)       | \$ 2.3   | 09/27/2005                           |  | M                              | 20,000  | <u>(1)</u> 08/01/2012                                    | Common Shares   | 20,000 |                            |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                           |       |
|---|---------------|-----------|---------------------------|-------|
|   | Director      | 10% Owner | Officer                   | Other |
| SPADAFORE DOMINIC J<br>C/O SOMANETICS CORPORATION<br>1653 EAST MAPLE ROAD<br>TROY, MI 48083 |               |           | V.P., Sales and Marketing |       |

## Signatures

Dominic J. Spadafore 09/29/2005

\*\*Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The option vested in three equal annual installments beginning August 1, 2003.

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Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.  
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