#### SOMANETICS CORP

Form 4

September 29, 2005

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB 3235-0287

Number: January 31, Expires:

2005 Estimated average

0.5

**OMB APPROVAL** 

burden hours per response...

if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

Check this box

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 See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SPADAFORE DOMINIC J			2. Issuer Name and Ticker or Trading Symbol SOMANETICS CORP [SMTS]	5. Relationship of Reporting Person(s) to Issuer		
(Last)  C/O SOMAN  CORPORAT  MAPLE ROA	ION, 1653 E	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 09/27/2005	(Check all applicable)  Director 10% OwnerX_ Officer (give title Other (specibelow)  V.P., Sales and Marketing		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)		

TROY, MI 48083

violiti/Day/iear)	Applicable Line)
	_X_ Form filed by One Reporting Person
	Form filed by More than One Reporting
	Person

(City)	(State)	(Zip) Tabl	le I - Non-I	<b>Derivative</b>	Secur	ities Acqu	uired, 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)	Code (Instr. 8)	Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)  (A) or		Securities Ownership II Beneficially Form: Direct B Owned (D) or C		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Shares	09/27/2005		Code V M	Amount 20,000	(D)	Price \$ 2.3	23,500	D		
Common Shares	09/27/2005		S	2,918	D	\$ 23.76	20,582	D		
Common Shares	09/27/2005		S	400	D	\$ 23.9	20,182	D		
Common Shares	09/27/2005		S	1,700	D	\$ 23.91	18,482	D		
Common Shares	09/27/2005		S	100	D	\$ 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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SEC 1474

(9-02)

# 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 orderivative 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 C/O SOMANETICS CORPORATION 1653 EAST MAPLE ROAD TROY, MI 48083

V.P., Sales and Marketing

## **Signatures**

Dominic J.
Spadafore

\*\*Signature of Date

\*\*Signature of D
Reporting Person

## **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.

Reporting Owners 3

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