SOMANETICS CORP

Check this box

if no longer

subject to

Form 5

Form 4

October 04, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

Expires:

January 31, 2005

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OMB APPROVAL

response...

SECURITIES Section 16. Form 4 or Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

may continue.

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading BARRETT BRUCE J Issuer Symbol SOMANETICS CORP [SMTS] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X_ Director 10% Owner X_ Officer (give title Other (specify C/O SOMANETICS CORP, 1653 E. 09/30/2005 below) MAPLE RD President and CEO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

TROY, MI 48083-4208

(City)	(State)	(Zip) Tab	le I - Non-	Derivativ	e Secu	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactionor Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Shares	10/03/2005		S	1,000	D	\$ 27.7603	103,397	D	
Common Shares	10/03/2005		S	1,000	D	\$ 27.7149	102,937	D	
Common Shares	10/03/2005		S	1,000	D	\$ 27.6456	101,937	D	
Common Shares	10/03/2005		S	1,000	D	\$ 27.5406	100,937	D	
Common Shares	10/03/2005		S	1,000	D	\$ 27.4371	99,937	D	

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Common Shares	10/03/2005	S	1,000	D	\$ 27.49	98,937	D
Common Shares	10/03/2005	S	1,000	D	\$ 27.5349	97,937	D
Common Shares	10/03/2005	S	445	D	\$ 27.6161	97,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.3451	96,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.4321	95,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.4458	94,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.5277	93,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.5653	92,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.7563	91,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.7681	90,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.8148	89,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.9018	88,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.9238	87,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.8901	86,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.8513	85,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.87	84,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.8823	83,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.8507	82,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.9154	81,492	D
Common Shares	10/03/2005	S	1,000	D	\$ 26.9573	80,492	D
	10/03/2005	S	1,000	D		79,492	D

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Common Shares					\$ 27.1675		
Common Shares	10/03/2005	S	1,000	D	\$ 27.1486	78,492	D
Common Shares	10/03/2005	S	290		\$ 27.1482		D
Common Shares	10/03/2005	S	110	D	\$ 26.49	78,092	D
Common Shares	10/03/2005	S	100	D	\$ 26.39	77,992	D

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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)	4. Transacti Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or		ate	Secur	ınt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secun Bene Owne Follo Repo
				Disposed						Trans
				of (D)						(Instr
				(Instr. 3, 4, and 5)						
				1, 4114 5)				Amount		
					Date Exercisable	Expiration Date	Title	Amount or Number of		
			Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Kelationships							
	Director	10% Owner	Officer	Other				
BARRETT BRUCE J								
C/O SOMANETICS CORP	X		President and CEO					
1653 E. MAPLE RD	Λ		Flesidelli alid CEO					
TROY, MI 48083-4208								

Reporting Owners 3

Signatures

Bruce J. Barrett 10/04/2005

**Signature of Date
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).

Remarks:

Form 2 of 3 to accommodate overflow transactions.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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