AUSMAN JAMES I Form 4 April 23, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

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obligations

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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

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * AUSMAN JAMES I			2. Issuer Name and Ticker or Trading Symbol SOMANETICS CORP [SMTS]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First) ((Mo	 3. Date of Earliest Transaction (Month/Day/Year) 04/23/2009 4. If Amendment, Date Original Filed(Month/Day/Year) 			_X_ Director Officer (gi		% Owner ner (specify	
	(Street)					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	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 any (Month/Day/Ye	Code	4. Securiti onAcquired Disposed (Instr. 3, 4	(A) or of (D)	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)	

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	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable and	7. Title and Amount of	8
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orDerivative	Expiration Date	Underlying Securities	Γ
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)	S
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A)			(!

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Derivative or Disposed of Security (D)

(Instr. 3, 4, and 5)

Code V (A) (D) Date Expiration Title Exercisable Date

or Number

Amount

of Shares

Director

stock
option \$ 14.77 04/23/2009 A 10,000 (i) 04/23/2019 Common Shares 10,000

(right to buy)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

AUSMAN JAMES I

X

Signatures

James I.

Ausman 04/23/2009

**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).
- (1) The option vests in five equal annual installments beginning on April 23, 2010.

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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