Drachman David J Form 4 May 22, 2012

FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

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

January 31, Expires: 2005

OMB APPROVAL

Form 4 or Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations

Estimated average burden hours per response... 0.5

may continue. See Instruction

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)

1. Name and Address of Reporting Person * Drachman David J			2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(encent un apprication)		
6217 CENTRE PARK DRIVE			(Month/Day/Year) 05/18/2012	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) President, CEO and Director		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
WEST CHES	TER, OH 4:	5069	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	Zip) Table	e I - Non-D	erivative S	Securi	ties Acq	uired, Disposed o	f, or Beneficial	ly 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)	4. Securit on(A) or Dis (Instr. 3, 4	sposed 4 and 5 (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)
Common Stock	05/18/2012		Code V M	Amount 5,343	(D)	Price \$ 1.33	497,609	D	
Common Stock	05/18/2012		S	5,343	D	\$ 8.19 (1)	492,266	D	
Common Stock	05/22/2012		S	33,841 (2)	D	\$ 8.24	458,425	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)

(3)

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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 proof Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	e Expiration Date U (Month/Day/Year) (In		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
Incentive Stock Option (right to buy)	\$ 1.33	05/18/2012		M	5,343	10/14/2003(4)	10/14/2012	Common Stock	5,343

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting owner runner runners	Director	10% Owner	Officer	Other			
Drachman David J 6217 CENTRE PARK DRIVE WEST CHESTER, OH 45069	X		President, CEO and Director				

Signatures

/s/ Sarah Luken as attorney-in-fact for David J.
Drachman

**Signature of Reporting Person

Date

05/22/2012

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).
- This transaction was executed in multiple trades at prices ranging from \$8.10 to \$8.29 per share. The price reported above reflects the weighted average purchase price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.
- (2) The Reporting Person intends to apply proceeds from the disposition of these shares to the payment of taxes and other costs incurred in connection with the exercise of options reported separately.
- This transaction was executed in multiple trades at prices ranging from \$8.20 to \$8.40 per share. The price reported above reflects the weighted average purchase price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.

Reporting Owners 2

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(4) These options were granted on October 14, 2002 and are exercisable cumulatively at a rate of 25% per annum beginning on October 14, 2003 (one year from grant date).

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.