### SEC Form 4

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### FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

# OMB APPROVAL OMB Number: 3235-0287 Estimated average burden

Estimated average burden	
hours per response:	0.5

1. Name and Address of Reporting Ferson			2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>AtriCure, Inc.</u> [ ATRC ]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
<u>Drachman David J</u>			[ -==== ]	X	Director	10% Owner				
				<b>-</b> x	Officer (give title	Other (specify				
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)		below)	below)				
6217 CENTRE	PARK DRIVE		05/18/2012		President, CEO a	nd Director				
(Street) WEST			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	vidual or Joint/Group Filir	ng (Check Applicable				
CHESTER	OH	45069		X	X Form filed by One Reporting Person					
					Form filed by More that Person	an One Reporting				
(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, if any (Month/Day/Year)						5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1150.4)	
Common Stock	05/18/2012		М		5,343	A	\$1.33	497,609	D		
Common Stock	05/18/2012		S		5,343	D	\$8.19 <sup>(1)</sup>	492,266	D		
Common Stock	05/22/2012		S		<b>33,8</b> 41 <sup>(2)</sup>	D	<b>\$8.24</b> <sup>(3)</sup>	458,425	D		

## 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. Transa Code ( 8)		of Deri Sec Acq (A) o Disp of (I	oosed D) tr. 3, 4	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 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		М			5,343	10/14/2003 <sup>(4)</sup>	10/14/2012	Common Stock	5,343	\$0.00	24,553	D	

Explanation of Responses:

1. 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.

3. 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.

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).

/s/ Sarah Luken as attorney-in-

05/22/2012

fact for David J. Drachman

\*\* Signature of Reporting Person Date

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

 $\ast$  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).

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

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 Number.