Instruction 1(b).

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Washington, D.C. 20040

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

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

1. Name and Address of Reporting Person* <u>Drachman David J</u>						2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]								Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
(Last) (First) (Middle) 6217 CENTRE PARK DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 02/15/2012								Officer below)	(give title	O and	Other (s below)	
(Street) WEST CHESTER OH 45069					4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City) (State) (Zip)													Peison					
		Tal	ole I - Noi	n-Deri	ivativ	e Se	curitie	s Ac	quired,	Dis	posed o	f, or Ber	neficiall	y Owned				
1. Title of Security (Instr. 3) 2. Transa Date (Month/D						Execution Date,			Transaction Disposed (ies Acquired (A) or Of (D) (Instr. 3, 4 and 5)		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)	(A) or (D) Price		Transaction(s) (Instr. 3 and 4)			msu. 4)
Common Stock 02/15/						2012		A		36,000	36,000 A \$		1) 407)7,446		D		
			Table II -								osed of, onvertib			Owned				
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)				6. Date Exercisal Expiration Date (Month/Day/Year		of Securitie		ies g Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	ily	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		Expiration Date	Title	Amount or Number of Shares					
Non- Qualified Stock Option (right to	\$9.92	02/15/2012			A		40,000		02/15/2013	(2)	02/15/2022	Common Stock	40,000	(3)	40,000)	D	

Explanation of Responses:

- 1. The Reporting Person acquired these shares pursuant to a Restricted Stock Award under the AtriCure, Inc. 2005 Equity Incentive Plan. The shares will vest 25% annually over four years from date of grant.
- 2. The option vests and is exercisable as to 25% of the shares one year from the date of grant, and the remaining 75% thereafter vests and is exercisable in equal monthly installments on the same day of the month over the following three years
- 3. Not applicable.

/s/ Sarah (Wichman) Luken as Attorney-in-Fact for David J. Drachman

02/16/2012

** Signature of Reporting Person

Date

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

- * 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.