FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

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>Lucky James L</u>						2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]								elationship o ck all applic Directo	able)	g Perso	on(s) to Issu 10% Ow Other (s	ner
(Last) (First) (Middle) 6217 CENTRE PARK DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 02/15/2012								below)		below) Affairs and Q		· ·
(Street) WEST CHESTER OH 45069				4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S	tate)	(Zip)															
		Tal	ble I - No	n-Der	ivativ	e Se	curitie	s Ac	quired, I	Dis	posed o	f, or Ber	eficiall	y Owned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Execution Date,			Code (Ir			es Acquire Of (D) (Inst		Beneficia Owned F	es ally Following	Form (D) o	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D) Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Common Stock 02/15/				15/201	/2012		A		12,500) A	\$0.00(62,	62,751		D			
			Table II -						uired, Di s, option					Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution I if any (Month/Day	Date,	4. Transa Code (8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisa Expiration Date (Month/Day/Yea			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	e C s F ally C	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					
Non- Qualified Stock Option (right to buy)	\$9.92	02/15/2012			A		14,000		02/15/2013((2)	02/15/2022	Common Stock	14,000	(3)	14,00	0	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/ James L Lucky

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.