Lucky James L Form 4 March 07, 2013

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

SECURITIES

obligations may continue. *See* Instruction

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

1(b).

Form 5

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Lucky James L Issuer Symbol AtriCure, Inc. [ATRC] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner Other (specify _X__ Officer (give title **6217 CENTRE PARK DRIVE** 03/05/2013 below) VP, Clinical, Regulatory & QS (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

WEST CHESTER, OH 45069

(City)	(State) (Zip) Table	e I - Non-D	erivative S	ecuri	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)	3. 4. Securities Acquire Transaction(A) or Disposed of (I Code (Instr. 3, 4 and 5) (Instr. 8)			of (D)	Beneficially (D) or Owned Indirect (I)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	03/05/2013		M	13,949	A	\$ 6.34	60,342	D	
Common Stock	03/05/2013		S	13,949	D	\$ 8.13 (1)	46,393	D	
Common Stock	03/05/2013		M	31,500	A	\$ 5.6	77,893	D	
Common Stock	03/05/2013		S	31,500	D	\$ 8.13 (1)	46,393	D	
	03/05/2013		M	9,473	Α		55,866	D	

OMB APPROVAL

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Person

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Common Stock					\$ 1.52	
Common Stock	03/06/2013	S	616	D	\$ 8.22 55,250	D
Common Stock	03/06/2013	S	4,000	D	\$ 8.22 51,250 (2)	D

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

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SEC 1474

(9-02)

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 of ionDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Option (right to buy)	\$ 6.34	03/05/2013		M		13,949	09/06/2007(3)	09/06/2016	Common Stock	13,949
Stock Option (right to buy)	\$ 5.6	03/05/2013		M		31,500	02/17/2011(4)	02/17/2020	Common Stock	31,500
Stock Option (right to buy)	\$ 1.52	03/05/2013		M		9,473	01/01/2005(5)	01/01/2014	Common Stock	9,473

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 0	Director	10% Owner	Officer	Other			
Lucky James L			VP, Clinical, Regulatory & QS				

Reporting Owners 2

6217 CENTRE PARK DRIVE WEST CHESTER, OH 45069

Signatures

/s/ James L. 03/07/2013 Lucky

**Signature of Reporting Person

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Date

- ** 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 \$8.00 to \$8.33 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.
- This transaction was executed in multiple trades at prices ranging from \$8.21 to \$8.24 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.
- These options were granted on September 6, 2006 and vest and are exercisable as to 25% of the shares one year from the date of grant, and the remaining 75% thereafter vest and is exercisable in equal monthly installments on the same day of the month over the following three years.
- These options were granted on February 17, 2010 and vest and are exercisable as to 25% of the shares one year from the date of grant,

 (4) 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
- (5) These options were granted on January 1, 2004 and are exercisable cumulatively at a rate of 25% per annum beginning one year from the date of 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.

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