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## FORM 4

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

OMB APPROVAL

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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).	

## 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

1. Name and Address of Reporting Person* Lucky James L			2. Issuer Name <b>and</b> Ticker or Trading Symbol AtriCure, Inc. [ ATRC ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner
(Last) 6033 SCHUM	(First) ACHER PARK	(Middle) DRIVE	3. Date of Earliest Transaction (Month/Day/Year) 05/28/2008	X Officer (give title Other (specify below) below) VP, Regulatory Affairs and QA
(Street) WEST CHESTER	OH 45069		4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person
(City)	(State)	(Zip)	rative Securities Acquired. Disposed of, or Benef	

## Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	(Month/Day/Year) if any				4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(11150.4)

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)		5. Numl of Derivati Securiti Acquire (A) or Dispose of (D) (I 3, 4 and	ive ies ed ed nstr.	Expiration Date (Month/Day/Year)		of Securities		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				
Stock Option (Right to Buy)	\$10.1	05/28/2008		A		15,000		05/28/2009 <sup>(1)</sup>	05/28/2018	Common Stock	15,000	(2)	15,000	D	

Explanation of Responses:

1. The option vests and is exercisable as to 25% of the shares on May 28, 2009 (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.

2. Not applicable

/s/ James L. Lucky

05/29/2008 Date

\*\* Signature of Reporting Person

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.

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