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>Hooven Michael D</u>					2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
						<u></u> , <u></u>	<u></u> [X Directo	r		10% Ov	/ner	
(Last) 7778 BE	(F NNINGTO	,	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/21/2009								Officer below)	(give title	e Other (sp below)		pecify
	4.1	If Ame	ndment, I	Date (of Original F	iled	(Month/Dav	6. 11	6. Individual or Joint/Group Filing (Check Applicable									
(Street)									Ü		`	,	Line	e)			`	
CINCIN	NATI O	Н	45241												-		rting Persor	
					-									Persor		e man	One Repor	urig
(City)	(S	itate)	(Zip)															
		Tal	ole I - Non	-Deriv	vativ	e Se	curitie	s Ac	quired,	Dis	posed o	f, or Bei	neficial	ly Owned				
1. Title of Security (Instr. 3) 2. Transa Date (Month/D					ear)	Execution if any	A. Deemed xecution Date, any Month/Day/Year)		Transaction Disposed Code (Instr. 5)		ies Acquire Of (D) (Ins	ed (A) or tr. 3, 4 and	Benefici Owned F	s ally following	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	Reported Transact (Instr. 3	rted saction(s) . 3 and 4)			
Common Stock 05/21					1/200	/2009		A		1,937 A		\$0 ⁽¹	795	795,544		D		
			Table II - I						uired, Di s, option					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 Da if any (Month/Day/	Code			of I		6. Date Exercisable Expiration Date (Month/Day/Year)			of Securities		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				c	Code	v	(A)	(D)	Date Exercisable		Expiration Date	Title	Amount or Number of Shares					
Stock Option (Right to Buy)	\$2.58	05/21/2009			A		10,000		05/21/2010	(2)	05/21/2019	Common Stock	10,000	(3)	10,00	0	D	

Explanation of Responses:

- 1. Restricted shares awarded pursuant to the AtriCure, Inc. 2005 Equity Incentive Plan for services as a director. The shares will cliff vest and be released on May 21, 2010.
- 2. Exercisable cumulatively at a rate of 33.33% per annum commencing on the earlier of (i) the anniversary of the date of grant (May 21) and (ii) the date on which the Company?s annual meeting of stockholders is held that year, provided Mr. Hooven is a director immediately prior to such annual meeting.
- 3. Not applicable.

<u>/s/ Michael D. Hooven</u> <u>05/26/2009</u>

** 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.