FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

washington, D.C. 2004

OMB APPROVAL											
OMB Number:	3235-028										

OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

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

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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) X Director 10% Owner				
(Lact) (Eirct) (Middle) L					3. Date of Earliest Transaction (Month/Day/Year) 09/11/2012									Offic below	er (give title v)	Other below	(specify)	
							4. If Amendment, Date of Original Filed (Month/Day/Year)									r Joint/Grou	p Filing (Check	Applicable
(Street)) 【 Forn	Form filed by One Reporting Person		
CINCINI	NNATI OH 45241														Forn	Form filed by More than One Reperson		
(City)	(St	ate)	(Zip)															
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
			2. Transaction Date (Month/Day/Year		Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			A) or , 4 and	Securit Benefic Owned	ficially ed Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A (D) or F	Price	Report Transa (Instr. 3	ed ction(s) 3 and 4)		(Instr. 4)	
Common	Stock			09/11	/2012				P		100		A	\$7.14	60	5,199	D	
Common	Stock			09/11	/2012				P		301		A	\$7.15	6	5,500	D	
Common	Stock			09/11	/2012				P		744		A	\$7.2	6	7,244	D	
Common	Stock														1	,121	I	Held by Son ⁽¹⁾
Common	Stock														33	4,211	I	Michael D. Hooven 2004 Trust FBO Michael ⁽²⁾
Common Stock														33	4,211	I	Michael D. Hooven 2001 Trust FBO Susan ⁽³⁾	
Common Stock														18,421		I	Susan Spies 2004 Children's Trust ⁽⁴⁾	
		1	able II - I								sed of, onvertib				Owned			
1. Title of Derivative Security (Instr. 3)	Derivative Conversion Date Execution Date, Gecurity or Exercise (Month/Day/Year) if any		ned n Date,	4. Transa	I. Fransaction Code (Instr.		5. Number of			sable and e	able and 7. Title and Amount of		8. D S (I	Price of erivative ecurity 1str. 5)	ative derivative ity Securities	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amo or Num of Shar	ber				

Explanation of Responses:

- ${\bf 1.}\ {\bf The}\ {\bf Reporting}\ {\bf Person}\ {\bf disclaims}\ {\bf beneficial}\ {\bf ownership}\ {\bf of}\ {\bf these}\ {\bf securities}.$
- 2. Held by Michael D. Hooven 2004 Trust FBO Michael. Mr. Hooven disclaims beneficial ownership of these securities, except as to his pecuniary interest therein.
- 3. Held by Michael D. Hooven 2004 Trust FBO Susan. Mr. Hooven disclaims beneficial ownership of these securities, except as to his pecuniary interest therein.
- 4. Held by Susan Spies 2004 Children's Trust. These shares are held in trust for the benefit of the Reporting Person's son. Reporting person is the trustee of that trust. Mr. Hooven disclaims beneficial ownership of these securities, except as to his pecuniary interest therein.

** 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.