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>LUX ANDREW L</u>						2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]										ionship of Reporti all applicable) Director		g Person(s) to Issu 10% Ow		
(Last) (First) (Middle) 7555 INNOVATION WAY						3. Date of Earliest Transaction (Month/Day/Year) 12/07/2016									X	Office below	er (give title v) SVP, Ops	be	Other (specification) Response Quality	
(Street) MASON OH 45040 (City) (State) (Zip)					4. If Amendment, Date of Original Filed (Month/Day/Year)										Indiv ne) X	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tabl	e I - Noi	n-Deriv	ative	Se	curitie	s Acc	uired,	Dis	posed o	f, oı	Ben	eficia	ally (Owne	ed			
1. Title of Security (Instr. 3) 2. Transport Date (Month/E					ar) i	2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Disposed Code (Instr. 5)		ities Acquired (A) d Of (D) (Instr. 3,			4 and Sec Ber Ow		ount of ities icially d 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 Transaction(s) (Instr. 3 and 4)				(1130.4)	
Common Stock 12/07/						/2016					5,038		D \$.77	7 49,594		D		
		Та									sed of, onvertib				y Ov	vned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	cution Date, y nth/Day/Year)		I. Transaction Code (Instr. 3)		of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Exercisable Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amoun or Numbe of Title Shares			ce of rative rity . 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owners Form: Direct (or Indir (I) (Inst	D) ect	11. Nature of Indirect Beneficial Ownership (Instr. 4)

Explanation of Responses:

Remarks:

/s/ M. Andrew Wade as

Attorney-In-Fact for Andrew 12/09/2016

L. Lux

** 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.