### SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

### Schedule 13G

### INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (b) (Amendment No. 2)\*

AtriCure, Inc. (Name of Issuer)

Common Stock

(Title of Class of Securities)

04963C209

(CUSIP Number)

December 31, 2012

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

□ Rule 13d-1(b)

□ Rule 13d-1(c)

Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following pages)

Page 1 of 19 Pages Exhibit Index Contained on Page 17

	CUSIP NO. 049	63C209	13 G	Page 2 of 19
1 2	U.S. Ventu	NTIFICATION NO ure Partners VIII,	D. OF ABOVE PERSON L.P. ("USVP VIII") IF A MEMBER OF A GROUP*	
-				(a) 🗆 (b) 🗵
3 4	SEC USE ONLY CITIZENSHIP OR Delaware	PLACE OF ORC	ANIZATION	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	0 sh 6 SH, 0 sh 7 SOI 0 sh 8 SH,	LE VOTING POWER ares. ARED VOTING POWER ares. LE DISPOSITIVE POWER ares. ARED DISPOSITIVE POWER ares.	
9	AGGREGATE AM REPORTING PER		IALLY OWNED BY EACH	0
10	CHECK BOX IF T EXCLUDES CERT		E AMOUNT IN ROW (9)	
11	PERCENT OF CL	ASS REPRESEN	TED BY AMOUNT IN ROW 9	0%
12	TYPE OF REPORT	FING PERSON*		PN

	CUSIP NO. 049	63C209		13 G	[	Page	e 3 of 1
1		NTIFICAT	TION NO. OF ABO es Fund, L.P. ("USV				
2	CHECK THE APP	PROPRIA	FE BOX IF A MEM	IBER OF A GROUP*		(a) 🗆 (b)	$\boxtimes$
3	SEC USE ONLY						
4	CITIZENSHIP OR Delaware	PLACE	OF ORGANIZATIO	ON			
	NUMBER OF SHARES BENEFICIALLY	5 6	SOLE VOTIN 0 shares. SHARED VOT 0 shares.			 	
	OWNED BY EACH REPORTING PERSON	7		SITIVE POWER			
	WITH	8	SHARED DIS 0 shares.	POSITIVE POWER			
9	AGGREGATE AM REPORTING PER		ENEFICIALLY OV	WNED BY EACH		0	
10	CHECK BOX IF T EXCLUDES CER		REGATE AMOUN ARES*	IT IN ROW (9)			
11	PERCENT OF CL	ASS REP	RESENTED BY A	MOUNT IN ROW 9		0%	
12	TYPE OF REPOR	TING PEI	RSON*			PN	

	CUSIP NO. 04963C209		13 G	Page 4 of 19
1 2	USVP En	NTIFICATI trepreneur l	DN NO. OF ABOVE PERSON Partners VIII-A, L.P. ("USVP EP VIII-A") D BOX IF A MEMBER OF A GROUP*	(a) 🗆 (b) 🗵
3 4	SEC USE ONLY CITIZENSHIP OR Delaware	R PLACE O	FORGANIZATION	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5 6 7 8	SOLE VOTING POWER 0 shares. SHARED VOTING POWER 0 shares. SOLE DISPOSITIVE POWER 0 shares. SHARED DISPOSITIVE POWER 0 shares.	
9	AGGREGATE AM REPORTING PER		NEFICIALLY OWNED BY EACH	0
10	EXCLUDES CER	TAIN SHAI		
11			ESENTED BY AMOUNT IN ROW 9	0%
12	TYPE OF REPOR	TING PERS	SON*	PN

1	NAME OF REPORT	ΓING	
	SS OR I.R.S. IDEN	TIFICATION NO. OF ABOVE PERSON	
	USVP Entr	epreneur Partners VIII-B, L.P. ("USVP EP VIII-B")	
2	CHECK THE APPF	ROPRIATE BOX IF A MEMBER OF A GROUP*	
			(a) 🗆 (b) 🗵
3	SEC USE ONLY		
4	CITIZENSHIP OR 1	PLACE OF ORGANIZATION	
	Delaware		
		5 SOLE VOTING POWER	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH	0 shares.	
		6 SHARED VOTING POWER	
		0 shares.	
		7 SOLE DISPOSITIVE POWER	
	REPORTING PERSON	0 shares.	
	WITH	8 SHARED DISPOSITIVE POWER	
	VV1111	0 shares.	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH	
	REPORTING PERS	ON	0
10	CHECK BOX IF TH	HE AGGREGATE AMOUNT IN ROW (9)	
	EXCLUDES CERT	AIN SHARES*	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW 9	
			0%
12	TYPE OF REPORT	ING PERSON*	
			PN

	CUSIP NO. 049	63C209	13 G	Page 6 of 19
1		NTIFICATIO	N NO. OF ABOVE PERSON	
2			Group VIII, L.L.C. BOX IF A MEMBER OF A GROUP*	(a) 🗆 (b) 🗵
3	SEC USE ONLY			
4	CITIZENSHIP OR Delaware	PLACE OF	ORGANIZATION	
	NUMBER OF SHARES BENEFICIALLY WNED BY EACH REPORTING PERSON WITH	5 6 7 8	SOLE VOTING POWER 0 shares. SHARED VOTING POWER 0 shares. SOLE DISPOSITIVE POWER 0 shares. SHARED DISPOSITIVE POWER 0 shares. ELICIALLY OWNED BY EACH	
Ð	AGGREGATE AM REPORTING PER		EFICIALLY OWNED BY EACH	0
10	CHECK BOX IF T EXCLUDES CERT		GATE AMOUNT IN ROW (9) ES*	
11	PERCENT OF CL	ASS REPRE	SENTED BY AMOUNT IN ROW 9	0%
12	TYPE OF REPOR	TING PERSO	DN*	00

CUSIP NO.	04963C209
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1	NAME OF REPO	RTING I	PERSON Casey M. Tansey	
2			ATE BOX IF A MEMBER OF A GROUP*	
2	CHECK THE AP	PROPRI	ALE DOA IF A MEMBER OF A GROUP	(a) 🗆 (b) 🗵
3	SEC USE ONLY			
4	CITIZENSHIP OI U.S. Citizen	R PLACI	E OF ORGANIZATION	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING	5 6 7	SOLE VOTING POWER 0 shares. SHARED VOTING POWER 0 shares. SOLE DISPOSITIVE POWER 0 shares.	
	PERSON WITH	8	SHARED DISPOSITIVE POWER 0 shares.	
9	AGGREGATE AN REPORTING PER		BENEFICIALLY OWNED BY EACH	0
10	CHECK BOX IF ' EXCLUDES CER		GREGATE AMOUNT IN ROW (9) HARES*	
11	PERCENT OF CL	LASS RE	PRESENTED BY AMOUNT IN ROW 9	0%
12	TYPE OF REPOF	RTING P	ERSON*	IN

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1	NAME OF REPO	RTING F	PERSON Irwin Federman			
2			ATE BOX IF A MEMBER OF A GROUP*			
-		10110		(a) 🗆 (	(b) 🗵	
3	SEC USE ONLY				(-)	
4	CITIZENSHIP OF	R PLACE	E OF ORGANIZATION			
	U.S. Citizen					
		5	SOLE VOTING POWER			
	NUMBER OF SHARES		0 shares.			
	BENEFICIALLY	6	SHARED VOTING POWER			
	OWNED BY EACH		0 shares.			
	REPORTING	7	SOLE DISPOSITIVE POWER			
	PERSON		0 shares.			
	WITH	8	SHARED DISPOSITIVE POWER			
			0 shares.			
9			BENEFICIALLY OWNED BY EACH			
	REPORTING PER			0		
10			GREGATE AMOUNT IN ROW (9)	_	_	
	EXCLUDES CER	-	-	L		
11	PERCENT OF CL	ASS RE	PRESENTED BY AMOUNT IN ROW 9			
10		TINC D		0%		
12	TYPE OF REPOR	TING PI	ERSON*	TN 7		
				IN		

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1	NAME OF REPO	RTING F	PERSON Winston Fu			
2			ATE BOX IF A MEMBER OF A GROUP*			
2	CHECK THE AFT	- KOF KI	TE DOX IF A MEMDER OF A GROUP	(a) 🗆	] (b)	X
3	SEC USE ONLY				(-)	
4	CITIZENSHIP OF	R PLACE	E OF ORGANIZATION			
	U.S. Citizen					
		5	SOLE VOTING POWER			
	NUMBER OF SHARES		0 shares.			
	BENEFICIALLY	6	SHARED VOTING POWER			
	OWNED BY EACH		0 shares.			
	REPORTING	7	SOLE DISPOSITIVE POWER			
	PERSON		0 shares.			
	WITH	8	SHARED DISPOSITIVE POWER			
			0 shares.			
9			BENEFICIALLY OWNED BY EACH			
	REPORTING PER			0		
10			GREGATE AMOUNT IN ROW (9)		_	
	EXCLUDES CER	-	-			
11	PERCENT OF CL	ASS RE	PRESENTED BY AMOUNT IN ROW 9			
				0%		
12	TYPE OF REPOR	TING PI	ERSON*			
				IN		

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1		TINC I		
1			PERSON Steven M. Krausz	
2	CHECK THE APP	ROPRIA	ATE BOX IF A MEMBER OF A GROUP*	
				(a) 🗆 (b) 🗵
3	SEC USE ONLY			
4	CITIZENSHIP OR	PLACE	E OF ORGANIZATION	
	U.S. Citizen			
		5	SOLE VOTING POWER	
	NUMBER OF		7,231 shares.	
	SHARES	6	SHARED VOTING POWER	
	BENEFICIALLY OWNED BY EACH		0 shares.	
		7	SOLE DISPOSITIVE POWER	
	REPORTING PERSON		7,231 shares.	
	WITH	8	SHARED DISPOSITIVE POWER	
	WIIII		0 shares.	
9	AGGREGATE AM	10UNT	BENEFICIALLY OWNED BY EACH	
	REPORTING PER	SON		7,231
10	CHECK BOX IF 7	THE AG	GREGATE AMOUNT IN ROW (9)	
	EXCLUDES CER	TAIN SH	IARES*	
11	PERCENT OF CL	ASS RE	PRESENTED BY AMOUNT IN ROW 9	
				0%
12	TYPE OF REPOR	TING PI	ERSON*	
				IN

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1	NAME OF REPO	RTING P	ERSON David Liddle		
2	CHECK THE APP	PROPRIA	TE BOX IF A MEMBER OF A GROUP*		
				(a) 🗆 (b	b) 🛛
3	SEC USE ONLY				
4	CITIZENSHIP OF	R PLACE	OF ORGANIZATION		
	U.S. Citizen				
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER		
			0 shares.		
		6	SHARED VOTING POWER		
			0 shares.		
C		7	SOLE DISPOSITIVE POWER		
			0 shares.		
		8	SHARED DISPOSITIVE POWER		
			0 shares.		
9	AGGREGATE AN	<b>MOUNT</b>	BENEFICIALLY OWNED BY EACH		
	REPORTING PER	RSON		0	
10	CHECK BOX IF	THE AG	GREGATE AMOUNT IN ROW (9)		
	EXCLUDES CER	TAIN SH	ARES*		]
11	PERCENT OF CL	ASS RE	PRESENTED BY AMOUNT IN ROW 9		
				0%	
12	TYPE OF REPOR	TING PE	ERSON*		
l.				IN	

CUSIP NO. 04963C209	
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1	NAME OF REPORTING PERSON Jonathan D. Root				
2	CHECK THE AP	PROPRI	ATE BOX IF A MEMBER OF A GROUP*		
				(a) 🗌 (b) 🗵	
3	SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
	U.S. Citizen				
	NUMBER OF	5	SOLE VOTING POWER		
	SHARES		0 shares.		
	BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6	SHARED VOTING POWER		
			0 shares.		
		7	SOLE DISPOSITIVE POWER		
			0 shares.		
		8	SHARED DISPOSITIVE POWER		
-			0 shares.		
9			BENEFICIALLY OWNED BY EACH	0	
10	REPORTING PER			0	
10			GREGATE AMOUNT IN ROW (9)		
EXCLUDES CERTAIN SHARES*					
11	PERCENT OF CL	LASS RE	PRESENTED BY AMOUNT IN ROW 9	00/	
12	TYPE OF REPOR	TINC D	EDSON*	0%	
12	I I FE OF REPOR	CING P.	EK30IN.	IN	
				11N	

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1	NAME OF REPORTING PERSON Christopher Rust		
2	CHECK THE APPROP	RIATE BOX IF A MEMBER OF A GROUP*	(a) 🗆 (b) 🗵
3	SEC USE ONLY		
4	CITIZENSHIP OR PLA U.S. Citizen	ACE OF ORGANIZATION	
C	NUMBER OF5SHARES6BENEFICIALLY6DWNED BY EACH7REPORTING7PERSON8WITH8	SOLE VOTING POWER 2,283 shares. SHARED VOTING POWER 0 shares. SOLE DISPOSITIVE POWER 2,283 shares. SHARED DISPOSITIVE POWER 0 shares.	
9	AGGREGATE AMOUN REPORTING PERSON	NT BENEFICIALLY OWNED BY EACH	2,283
10	CHECK BOX IF THE A EXCLUDES CERTAIN	AGGREGATE AMOUNT IN ROW (9) SHARES*	
11	PERCENT OF CLASS	REPRESENTED BY AMOUNT IN ROW 9	0%
12	TYPE OF REPORTING	G PERSON*	IN

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1	NAME OF REPOR	NAME OF REPORTING PERSON Philip M. Young			
2	CHECK THE APP		(a) 🗆 (b) 🗵		
3	SEC USE ONLY				
4 CITIZENSHIP OR PLACE OF ORGANIZATION U.S. Citizen					
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5 6 7 8	SOLE VOTING POWER 0 shares. SHARED VOTING POWER 0 shares. SOLE DISPOSITIVE POWER 0 shares. SHARED DISPOSITIVE POWER 0 shares.		
9	AGGREGATE AM REPORTING PER		ENEFICIALLY OWNED BY EACH	0	
10		CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*			
11	PERCENT OF CL	ASS REF	RESENTED BY AMOUNT IN ROW 9	0%	
12	TYPE OF REPOR	TING PE	RSON*	IN	

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This Amendment No. 2 amends the Statements on Schedule 13G previously filed by Presidio Management Group VIII, L.L.C., U.S. Venture Partners VIII, L.P., USVP VIII Affiliates Fund, L.P., USVP Entrepreneur Partners VIII-A, L.P., U.S. Entrepreneur Partners VIII-B, Casey M. Tansey, Irwin Federman, Winston Fu, Steven M. Krausz, David Liddle, Jonathan D. Root, Christopher Rust and Philip M. Young. The foregoing entities and individuals are collectively referred to as the "Reporting Persons." Only those items as to which there has been a change are included in this Amendment No. 2.

## ITEM 4. OWNERSHIP

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) <u>Amount beneficially owned</u>:

See Row 9 of cover page for each Reporting Person.

(b) <u>Percent of Class</u>:

See Row 11 of cover page for each Reporting Person.

- (c) <u>Number of shares as to which such person has</u>:
  - (i) <u>Sole power to vote or to direct the vote</u>:

See Row 5 of cover page for each Reporting Person.

(ii) <u>Shared power to vote or to direct the vote</u>:

See Row 6 of cover page for each Reporting Person.

(iii) <u>Sole power to dispose or to direct the disposition of</u>:

See Row 7 of cover page for each Reporting Person.

(iv) <u>Shared power to dispose or to direct the disposition of</u>:

See Row 8 of cover page for each Reporting Person.

## ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: x Yes

# ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Please see Item 5.

#### SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 5, 2013

PRESIDIO MANAGEMENT GROUP VIII, L.L.C.	CASEY M. TANSEY
U.S. VENTURE PARTNERS VIII, L.P.	IRWIN FEDERMAN
By Presidio Management Group VIII, L.L.C. Its General Partner	WINSTON FU
USVP VIII AFFILIATES FUND, L.P.	STEVEN M. KRAUSZ
By Presidio Management Group VIII, L.L.C. Its General Partner	DAVID LIDDLE
USVP ENTREPRENEUR PARTNERS VIII-A, L.P.,	JONATHAN D. ROOT
By Presidio Management Group VIII, L.L.C. Its General Partner	CHRISTOPHER RUST
USVP ENTREPRENEUR PARTNERS VIII-B, L.P., By Presidio Management Group VIII, L.L.C. Its General Partner	PHILIP M. YOUNG
By: /s/ Michael Maher	By: /s/ Michael Maher
Michael Maher, Chief Financial Officer/Attorney-In-Fact for the above- listed entities*	Michael Maher, Attorney-In-Fact for th

ne above-listed individuals\*

\*Signed pursuant to a Power of Attorney already on file with the appropriate agencies.

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties for whom copies are to be sent.

## Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)

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# EXHIBIT INDEX

Exhibit	Found on Sequentially Numbered Page
Exhibit A: Agreement of Joint Filing	18
Exhibit B: Power of Attorney	19

### EXHIBIT A

# Agreement of Joint Filing

The undersigned hereby agree that a single Schedule 13G (or any amendment thereto) relating to the Common Stock of ArtiCure, Inc. shall be filed on behalf of each of the undersigned and that this Agreement shall be filed as an exhibit to such Schedule 13G.

Date: February 5, 2013

# PRESIDIO MANAGEMENT GROUP VIII, L.L.C.

U.S. VENTURE PARTNERS VIII, L.P. By Presidio Management Group VIII, L.L.C.	IRWIN FEDERMAN	
Its General Partner	WINSTON FU	
USVP VIII AFFILIATES FUND, L.P. By Presidio Management Group VIII, L.L.C.	STEVEN M. KRAUSZ	
Its General Partner	DAVID LIDDLE	
USVP ENTREPRENEUR PARTNERS VIII-A, L.P., By Presidio Management Group VIII, L.L.C.	JONATHAN D. ROOT	
Its General Partner	CHRISTOPHER RUST	
USVP ENTREPRENEUR PARTNERS VIII-B, L.P., By Presidio Management Group VIII, L.L.C.	CASEY M. TANSEY	
Its General Partner	PHILIP M. YOUNG	
By: /s/ Michael Maher	By: /s/ Michael Maher	
Michael Maher, Chief Financial Officer/Attorney-In-Fact for the above- listed entities*	Michael Maher, Attorney-In-Fact for the above-listed individuals*	

\*Signed pursuant to a Power of Attorney already on file with the appropriate agencies.

# <u>EXHIBIT B</u>

# Power of Attorney

Michael Maher has signed this Schedule 13G as Attorney-In-Fact. Note that copies of the applicable Power of Attorney are already on file with the appropriate agencies.