Cardiovascular Systems Inc Form 4 September 21, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

OMB APPROVAL

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SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

See Instruction

1(b).

(Print or Type Responses)

Name and Address of Reporting Person * Camber Capital Management LLC			2. Issuer Name and Ticker or Trading Symbol					5. Relationship of Reporting Person(s) to Issuer				
			Cardiovascular Systems Inc [CSII]					(Check all applicable)				
(Last)	(First)		3. Date of Earliest Transaction									
101 III INTERNATION			(Month/Day/Year)					Director X 10% Owner Officer (give title below) Other (specify below)				
101 HUNTINGTON AVENUE, SUITE 2101			09/19/2016									
(Street)				nendment,	Date Original		6. Ir	6. Individual or Joint/Group Filing(Check				
Filed(1				(Month/Day/Year)				Applicable Line)				
							X Form filed by One Reporting Person Form filed by More than One Reporting					
BOSTON		Ī					Person					
(City)	(State)	(Zip)	Tal	ble I - Noi	n-Derivative S	ecuriti	es Acquired	l, Disposed of, or	Beneficially	Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution D any (Month/Day,	ate, if	Code (Instr. 3, 4 and 5)				5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code V	Amount	(D)	Price	(Instr. 3 and 4)				
Common Stock	09/19/2016	09/19/201	6	S	1,043,000	D	\$ 23.2501	3,057,000	I	See Footnotes (1) (2)		
Common Stock	09/20/2016	09/20/201	6	S	57,000	D	\$ 23.5376	3,000,000	I	See Footnotes (1) (3) (4)		

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	f 2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivative	e Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Number Expiration Da		Amou	ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	/Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Secur	ities	(Instr. 5)	Bene
	Derivative				Securities	S		(Instr.	. 3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date Exercisable	Expiration Date	T:41-	or Namel		
									Number		
				C-1- V	(A) (D)				of		
				Code v	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address 10% Owner Officer Other Director

Camber Capital Management LLC 101 HUNTINGTON AVENUE **SUITE 2101 BOSTON, MA 02199**

X

Signatures

/s/Stephen 09/21/2016 **DuBois**

**Signature of Date Reporting Person

Explanation of Responses:

- 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).

Securities reported herein for Camber Capital Management LLC (the "LLC") represent Common Stock beneficially owned and held of record by Camber Capital Master Fund, L.P. (the "Master Fund"), another private investment fund (the "Fund") and one managed account (the "Managed Account") for which the LLC serves as the investment manager. Stephen DuBois is the managing member of the LLC and managing member of the general partner for the Fund and the Master Fund. The LLC, the Master Fund, the Fund, the Managed Account, general partner and Mr. DuBois (the "Reporting Persons") are each beneficial owners and have an address of 101 Huntington Avenue, Floor 21, Boston, MA 02199. The Reporting Persons disclaim beneficial ownership, within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, or otherwise of such portion of the shares in which the Reporting Persons have no actual pecuniary interest therein.

- Of the securities reported for this transaction, 1,012,462 shares of Common Stock were sold for the account of the Master Fund, 6,453 shares of Common Stock were sold for the account of the Fund, and 24,085 shares of Common Stock were sold for the account of the Managed Account.
- Of the securities reported for this transaction, 55,331 shares of Common Stock were sold for the account of the Master Fund, 353 shares (3) of Common Stock were sold for the account of the Fund, and 1,316 shares of Common Stock were sold for the account of the Managed Account.

Reporting Owners 2

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As of the closing of trading on September 20, 2016, 2,912,165 shares of Common Stock were held for the account of the Master Fund,

(4) 18,559 shares of Common Stock were held for the account of the Fund, and 69,276 shares of Common Stock were held for the account of the Managed Account.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.