Cardiovascular Systems Inc Form 4

August 15, 2013 FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number: January 31,

2005 Estimated average

Expires:

burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or

SECURITIES Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

may continue. See Instruction 1(b).

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Brown Edward M Issuer Symbol Cardiovascular Systems Inc [CSII] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) X Director 10% Owner Officer (give title Other (specify 651 CAMPUS DRIVE 08/13/2013 below) (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting ST. PAUL, MN 55112 Person

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned Indirect (I) Ownership (Instr. 4) Following (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price Common 2,749 08/13/2013 \$0 90,087 I By Trust A Stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transact Code (Instr. 8)		5. nNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		e	7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	<u>(2)</u>						<u>(2)</u>	(2)	Common Stock	3,977
Restricted Stock Units	(2)						(2)	(2)	Common Stock	11,628
Restricted Stock Units	(2)						(2)	(2)	Common Stock	21,739
Restricted Stock Units	(2)						<u>(2)</u>	(2)	Common Stock	7,192
Restricted Stock Units	(2)						(2)	(2)	Common Stock	10,917
Warrant (right to buy)	\$ 8.83						11/30/2010	02/24/2014	Common Stock	44,713

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Brown Edward M							
651 CAMPUS DRIVE	X						
ST. PAUL, MN 55112							

Signatures

/s/ Scott J. Dorfman as Attorney-in-Fact for Edward M. Brown pursuant to Power of Attorney previously filed.

08/15/2013

8. I Der Sec (In:

**Signature of Reporting Person

Date

Reporting Owners 2

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).
- (1) Represents shares of common stock received at the election of the reporting person, in lieu of cash payment, as a retainer for service as a director of the Company during fiscal year 2014.
- Each restricted stock unit represents the right to receive a payment from CSI equal in value to the market price per share of CSI common stock on the date of payment, and shall be payable in cash or shares of the Company's common stock beginning six months following the termination of each director's board membership.

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.