STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

2. Issuer Name and Ticker or Trading

Cardiovascular Systems Inc [CSII]

3. Date of Earliest Transaction

Cardiovascular Systems Inc Form 4

September 03, 2015

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

OMB APPROVAL OMB

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5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

Check this box if no longer subject to Section 16. Form 4 or 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. 30(h) of the Investment Company Act of 1940 See Instruction

Symbol

1(b).

Martin David

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

(Middle)

(Lust)	(Tilst)	(ivilidate) J. Da	ic of Larnest	Tansaction	L				
1225 OLD HIGHWAY 8 NW			(Month/Day/Year) 09/01/2015			_	_X_ Director 10% OwnerX_ Officer (give title Other (specify below) President and CEO		
	led(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person					
ST. PAUL	, MN 55112		_				Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Гable I - Non	-Derivative	Secu	rities Acqui	red, Disposed of,	or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year) 09/01/2015		Code	iomr Dispos (Instr. 3,	sed of		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Stock Common				4,141		(2) \$			
Stock	09/02/2015		S	<u>(1)</u>	D	23.1277 (3)	458,818	D	
Common Stock							850	I	By child
Common Stock							350	I	By child
							850	I	By child

Common Stock

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

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 control number.

SEC 1474

(9-02)

8. Pri Deriv Secur (Instr

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

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. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Title and A Underlying S (Instr. 3 and	Securities	8 I S (
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 7.9					<u>(4)</u>	06/11/2017	Common Stock	90,580	
Stock Option (right to buy)	\$ 12.15					<u>(4)</u>	12/11/2017	Common Stock	234,395	
Stock Option (right to buy)	\$ 8.75					<u>(4)</u>	03/01/2019	Common Stock	32,350	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
Martin David							
1225 OLD HIGHWAY 8 NW	X		President and CEO				
ST. PAUL. MN 55112							

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Signatures

/s/ Amanda Schmall as Attorney-in-Fact for David L. Martin pursuant to Power of Attorney previously filed.

09/03/2015

**Signature of Reporting Person

Date

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 sold pursuant to a Rule 10b5-1 trading plan, the proceeds of which were used to pay required withholding taxes in connection with the vesting and delivery of restricted stock.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$23.38 to \$24.31 inclusive. The reporting person undertakes to provide Cardiovascular Systems, Inc., any security holder of Cardiovascular Systems, Inc. or the staff of the Securities and Exchange Commission upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
 - The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$23.08 to \$23.21 inclusive. The reporting person undertakes to provide Cardiovascular Systems, Inc., any security holder of Cardiovascular
- Systems, Inc. or the staff of the Securities and Exchange Commission upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- (4) Fully exercisable.

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.

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