Koehn Paul A Form 4 August 28, 2012

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or Form 5 GES IN BENEFICIAL OWNERSHIP OF 2005

Estimated average burden hours per response... 0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

obligations may continue. *See* Instruction 1(b).

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

(Print or Type Responses)

1. Name and Address of Reporting Person * Koehn Paul A			2. Issuer Name and Ticker or Trading Symbol Cardiovascular Systems Inc [CSII]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
651 CAMPUS	DRIVE		(Month/Day/Year) 08/24/2012	Director 10% Owner _X_ Officer (give title Other (specify below) VP Quality & Operations		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
ST. PAUL, MN	I 55112		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tab	le I - Non-I	Derivative	Secu	rities Acqu	ired, Disposed of	f, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securi on(A) or D (Instr. 3,	ispose 4 and (A) or	ed of (D)	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	08/24/2012		S(1)	220	D	9.0294 (2)	67,430	D	

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

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SEC 1474

(9-02)

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. Transactic Code (Instr. 8)	5. orNumber 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	8. Pri Deriv Secui (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 8.83					(3)	04/17/2017	Common Stock	35,585	
Stock Option (right to buy)	\$ 8.83					(3)	04/17/2017	Common Stock	1,294	
Stock Option (right to buy)	\$ 7.9					(3)	06/11/2017	Common Stock	8,087	
Stock Option (right to buy)	\$ 7.9					(3)	10/08/2017	Common Stock	12,940	
Stock Option (right to buy)	\$ 12.15					<u>(3)</u>	12/11/2017	Common Stock	32,350	
Stock Option (right to buy)	\$ 8.75					(3)	03/01/2019	Common Stock	8,087	
Warrant	\$ 8.83					02/25/2009	02/24/2014	Common Stock	940	

Reporting Owners

Reporting Owner Name / Address			Relationships		
	Director	10% Owner	Officer	Other	
Koehn Paul A			VP Quality & Operations		

Reporting Owners 2 651 CAMPUS DRIVE ST. PAUL, MN 55112

Signatures

/s/ Scott J. Dorfman as Attorney-in-Fact for Paul Koehn pursuant to Power of Attorney previously filed.

08/28/2012

**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) In connection with the vesting and delivery of restricted stock, and pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 30, 2012, on each date shares were sold and the net proceeds were used to pay required withholding taxes.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$8.98 to \$9.20 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.
- (3) Fully exerciseable.

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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