

Petrucci Gary M  
Form 4  
August 11, 2009

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF 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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Petrucci Gary M

(Last) (First) (Middle)  
651 CAMPUS DRIVE  
(Street)

ST. PAUL, MN 55112

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
Cardiovascular Systems Inc [CSII]

3. Date of Earliest Transaction  
(Month/Day/Year)  
07/16/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
Common Stock				(A) or (D) Price	232,686	D	
Common Stock				(A) or (D) Price	32,350	I	By Partnership (1)

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

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SEC 1474 (9-02)

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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 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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount Number Shares
Stock Option (right to buy)	\$ 9.28					12/01/2004 11/30/2009	Common Stock 12,940
Stock Option (right to buy)	\$ 12.37					12/01/2005 11/30/2010	Common Stock 9,705
Stock Option (right to buy)	\$ 8.83					12/19/2006 12/18/2016	Common Stock 19,410
Stock Option (right to buy)	\$ 7.9					10/09/2007 10/08/2017	Common Stock 4,321
Stock Option (right to buy)	\$ 11.38					11/13/2007 11/12/2017	Common Stock 24,793
Stock Option (right to buy)	\$ 12.15					12/31/2007 12/30/2012	Common Stock 236,900
Warrant	\$ 9.28					11/16/2004 11/16/2009	Common Stock 12,940
Warrant	\$ 8.78					07/19/2006 07/19/2011	Common Stock <sup>(2)</sup> 3,336
Warrant	\$ 8.83					02/25/2009 02/24/2014	Common Stock 8,935
Restricted Stock Units	<u>(3)</u>					<u>(3)</u> <u>(3)</u>	Common Stock 5,714

Restricted Stock Units	(4)	07/16/2009	A	11,628	(4)	(4)	Common Stock	11,628
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## Reporting Owners

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

## Signatures

/s/ John R. Remakel as Attorney-in-Fact for Gary M. Petrucci pursuant to Power of Attorney previously filed. 08/11/2009

\_\_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) Shares held by Applecrest Partners LTD Partnership, of which Mr. Petrucci is the General Partner.
- (2) Previously incorrectly reported on a Form 4 filed on March 4, 2009, as Series A Conv Preferred Stock.  
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 beginning six months following the termination of each director's board membership.
- (4) 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 beginning six months following the termination of each director's board membership; provided, however, that the restricted stock units vest in equal quarterly amounts of 2,907 on each of 9/30/2009, 12/31/2009, 3/31/2010 and 6/30/2010.

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.