

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <b>BUCCI VINCENT</b>			2. Issuer Name and Ticker or Trading Symbol <b>ANGIODYNAMICS INC [ ANGO ]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>09/04/2009</b>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
603 QUEENSBURY AVE.			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <b>QUEENSBURY NY 12804</b>								
(City) (State) (Zip)								

**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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock								24,846	D	

**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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Non-Qualified Stock Option (right to buy)	\$13.29	09/04/2009		A		12,000		09/04/2010	09/04/2016	Common Stock	12,000	\$0	12,000	D	
Non-Qualified Stock Option (right to buy)	\$15.27							08/06/2009 <sup>(1)</sup>	08/06/2015	Common Stock	6,000		6,000	D	
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$15.67							01/29/2007	05/01/2013	Common Stock	5,166		5,166	D	
Non-Qualified Stock Option (right to buy)	\$16.53							05/01/2008 <sup>(3)</sup>	05/01/2014	Common Stock	25,000		25,000	D	
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$16.55							01/29/2007	06/08/2015	Common Stock	6,027		6,027	D	
Non-Qualified Stock Option (right to buy)	\$17.76							07/27/2008 <sup>(4)</sup>	07/27/2017	Common Stock	6,000		6,000	D	
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$17.82							01/29/2007	04/18/2015	Common Stock	4,305		4,305	D	

**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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$19.16							01/29/2007	06/26/2013	Common Stock	1,722		1,722	D	
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$19.57							01/29/2007	07/29/2014	Common Stock	1,722		1,722	D	
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$22.06							01/29/2007	06/07/2016	Common Stock	6,207		6,207	D	
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$29.09							01/29/2007	06/13/2011	Common Stock	1,205		1,205	D	
Non-Qualified Stock Option (right to buy) <sup>(2)</sup>	\$56.91							01/29/2007	05/30/2012	Common Stock	1,722		1,722	D	

**Explanation of Responses:**

- Options for 33 1/3 of the shares are each exercisable on 8/6/09, 8/6/10, and 8/6/11 respectively
- Options to acquire .1722 shares of AngioDynamics common stock were received in exchange for options to acquire 1 share of RITA Medical Systems, Inc., in conjunction with AngioDynamics acquisition of RITA Medical on January 29, 2007. Upon exercise, the option holder is also entitled to \$.515 per original RITA share, or \$2.99 per AngioDynamics share exercised.
- Options for 33 1/3% of the shares are each exercisable on 5/1/08, 5/1/09, 5/1/10, respectively.
- Options for 25% of the total number of shares each become exercisable on 7/27/08, 7/27/09, 7/27/10, and 7/27/11.

By: K. Wayne McDougall For: 09/08/2009  
Vincent Bucci

\*\* Signature of Reporting Person      Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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