

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**

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

<b>1. Name and Address of Reporting Person*</b> Gebauer Peter R  (Last) (First) (Middle) C/O LEMAITRE VASCULAR, INC., 63 SECOND AVENUE  (Street) BURLINGTON MA 01803  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b> LEMAITRE VASCULAR INC [LMAT]	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) President, International Ops
	<b>3. Date of Earliest Transaction (Month/Day/Year)</b> 08/27/2010	
	<b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>	

**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	08/27/2010		M		7,691	A	\$ 0.102	39,123	D	
Common Stock	08/27/2010		S		7,691	D	\$ 6.9	31,432	D	
Common Stock	08/30/2010		M		12,309	A	\$ 0.102	43,741	D	
Common Stock	08/30/2010		S		12,309	D	\$ 6.9	31,432	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 Underlying Securities (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 of Derivative Security: 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				
Stock Option (Right to Buy)	\$ 0.102	08/27/2010		M			7,691	06/02/1997 <sup>(1)</sup>	06/02/2007 <sup>(2)</sup>	Common Stock	7,691	\$ 0	268,554	D	
Stock Option (Right to Buy)	\$ 0.102	08/30/2010		M			12,309	06/02/1997 <sup>(1)</sup>	06/02/2007 <sup>(2)</sup>	Common Stock	12,309	\$ 0	256,245	D	

**Explanation of Responses:**

- This stock option is exercisable and vests over a seven-year period as follows: (1) 8.29% on August 15, 1997; (2) 16.68% on May 15 of each of 1998, 1999, 2000, 2001, and 2002; and (3) 8.29% on May 15, 2003.
- This stock option was originally reported on Form 3 as having an expiration date of June 2, 2007, but does not in fact have an expiration date. Because an expiration date is required to be reported, the originally reported expiration date is included for the sake of consistency.

/s/ Aaron M. Grossman      08/31/2010  
Attorney-in-Fact

\*\* Signature of Reporting      Date  
Person

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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