Gebauer Peter R Form 4/A September 03, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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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

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Gebauer Peter R Issuer Symbol LEMAITRE VASCULAR INC (Check all applicable) [LMAT] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner _X__ Officer (give title Other (specify (Month/Day/Year) below) C/O LEMAITRE VASCULAR, 08/09/2010 President, International OP INC., 63 SECOND AVENUE (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person 08/11/2010 Form filed by More than One Reporting **BURLINGTON, MA 01803**

(City)	(State)	(Zip) Tabl	e I - Non-I	Derivative (Securi	ties Acqu	ired, Disposed of	, or Beneficial	ly 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. Securit or(A) or Dis (Instr. 3,	sposed	of (D)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	08/09/2010		M	12,743 (1)	A	\$ 0.102	51,432	D	
Common Stock	08/09/2010		S	3,000	D	\$ 5.99	48,432 (2)	D	
Common Stock	08/09/2010		S	14,700	D	\$ 6	33,732 (2)	D	
Common Stock	08/09/2010		S	2,300	D	\$ 6.01	31,432 (2)	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)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Stock Option (Right to Buy)	\$ 0.102	08/09/2010	M	12,743 (1)	06/02/1997(3)	06/02/2007(4)	Common Stock	12,7

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Gebauer Peter R C/O LEMAITRE VASCULAR, INC. 63 SECOND AVENUE BURLINGTON, MA 01803

President, International OP

Signatures

/s/ Aaron M. Grossman

Attorney-in-Fact 09/03/2010

**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) This Amendment is filed to add information received regarding the exercise of stock options on August 9, 2010, by the reporting person.
- (2) The amount of shares beneficially owned following the reported sale transaction was understated in the original filing by the amount of the option exercise, or 12,743 shares.
- (3) 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.

(4)

Reporting Owners 2

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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.

Remarks:

This Amendment is filed to add information received regarding the exercise of stock options on August 9, 2010, by the reportion 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.