

OMB APPROVAL	
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**INITIAL STATEMENT OF 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

<b>1. Name and Address of Reporting Person*</b> Kamke Trent G <hr/> (Last) (First) (Middle) C/O LEMAITRE VASCULAR , INC., 63 SECOND AVENUE <hr/> (Street) BURLINGTON MA 01803 <hr/> (City) (State) (Zip)	<b>2. Date of Event Requiring Statement (Month/Day/Year)</b> 10/18/2006	<b>3. Issuer Name and Ticker or Trading Symbol</b> LEMAITRE VASCULAR INC [LMAT]	
		<b>4. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) Senior V. P., Operations	<b>5. If Amendment, Date of Original Filed (Month/Day/Year)</b>  <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> X Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned			
1. Title of Security (Instr. 4)	2. Amount of Securities Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)

**Table II - Derivative Securities Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares <sup>M</sup>			
Stock Option (Right to Buy)	07/06/1998 <sup>(1)</sup>	07/06/2008	Common Stock	30,000	\$ 2.3537	D	
Stock Option (Right to Buy)	01/01/1999 <sup>(1)</sup>	01/01/2009	Common Stock	20,000	\$ 2.3537	D	
Stock Option (Right to Buy)	01/01/2000 <sup>(1)</sup>	01/01/2010	Common Stock	16,000	\$ 3.625	D	
Stock Option (Right to Buy)	12/31/2000 <sup>(2)</sup>	12/31/2010	Common Stock	6,000	\$ 4.15	D	
Stock Option (Right to Buy)	04/30/2001 <sup>(2)</sup>	04/30/2010	Common Stock	6,000	\$ 4.44	D	
Stock Option (Right to Buy)	05/17/2002 <sup>(2)</sup>	05/07/2012	Common Stock	7,500	\$ 7.03	D	
Stock Option (Right to Buy)	09/06/2002 <sup>(2)</sup>	09/06/2012	Common Stock	14,500	\$ 7.44	D	
Stock Option (Right to Buy)	11/22/2005 <sup>(2)</sup>	11/22/2015	Common Stock	15,000	\$ 11.78	D	
Stock Option (Right to Buy)	04/26/2006 <sup>(2)</sup>	04/26/2013	Common Stock	2,021	\$ 12.37	D	

**Explanation of Responses:**

1. This option is exercisable and vests over a four year period at a rate of 25% after one year of service from the date listed on the table, and the balance vesting in equal annual installments over the remaining 3 years.
2. This option is exercisable and vests over a five year period at a rate of 20% after one year of service from the date listed on the table, and the balance vesting in equal annual installments over the remaining 4 years.

**Remarks:**

Exhibit Index

Exhibit 24 - Power of Attorney

/s/ Aaron M. Grossman      10/18/2006  
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 5(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.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the person whose signature appears below hereby constitutes and appoints Aaron M. Grossman and Christopher Martin, and any one of them acting singly, the true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for the undersigned and in the undersigned's name, place and stead, in any and all capacities (until revoked in writing) to sign any and all instruments, certificates and documents required to be executed on behalf of the undersigned as an individual or on behalf of the undersigned's holding company, as the case may be, pursuant to sections 13 and 16 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any and all regulations promulgated thereunder, and to file the same, with all exhibits thereto, and any other documents in connection therewith, with the Securities and Exchange Commission, and with any other entity when and if such is mandated by the Exchange Act or by the By-laws of the National Association of Securities Dealers, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary fully to all intents and purposes as the undersigned might or could do in person thereby ratifying and confirming all that said attorneys-in-fact and agents, or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, this Power of Attorney has been signed as of the 18 day of October, 2006.

/s/ Trent G. Kamke