REPLIDYNE INC Form 4 July 06, 2006

FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

OMB APPROVAL

Section 16. Form 4 or Form 5 obligations may continue. See Instruction

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

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(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 Christoffersen Ralph E Issuer Symbol REPLIDYNE INC [RDYN] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Officer (give title Other (specify **MORGENTHALER** 07/03/2006 below) **VENTURES, 4430 ARAPAHOE AVENUE, SUITE 220** (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 Form filed by More than One Reporting BOULDER, CO 80303 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired (A) 5. Amount of 3. 6. 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) Owned Ownership (Instr. 8) Direct (D) **Following** or Indirect (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4) or (Instr. 3 and 4) Price Code V Amount (D) By Morgenthaler Common 2,328,235 07/03/2006 \mathbf{C} 2,095,057 I (1)(2) Stock Partners VII, L.P. (3) Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. Persons who respond to the collection of SEC 1474 information contained in this form are not (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. 5. Number of TransactionDerivative Securities Code Acquired (A) or (Instr. 8) Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Ar Underlying Se (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Series A Preferred Stock	\$ 0 (4)	07/03/2006		С		2,000,000	<u>(4)</u>	<u>(4)</u>	Common Stock
Series C Preferred Stock	\$ 0 <u>(5)</u>	07/03/2006		С		6,400,000	<u>(5)</u>	<u>(5)</u>	Common Stock
Series D Preferred Stock	\$ 0 <u>(6)</u>	07/03/2006		С		1,874,163	<u>(6)</u>	<u>(6)</u>	Common Stock
Warrant (right to buy)	\$ 1.25	07/03/2006		С		80,001	<u>(7)</u>	<u>(7)</u>	Series C Preferred Stock
Warrant (right to buy)	\$ 6.13 (8)	07/03/2006		С	16,311		06/27/2006	06/27/2011	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships					
F	Director	10% Owner	Officer	Other		
Christoffersen Ralph E MORGENTHALER VENTURES 4430 ARAPAHOE AVENUE, SUITE 220	X					
BOULDER, CO 80303						

Signatures

/s/ Ralph E. Christoffersen	07/06/2006		
**Signature of Reporting Person	Date		

Reporting Owners 2

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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) The Issuer's preferred stock automatically converted into common stock upon the closing of the Issuer's initial public offering.
- (2) Includes 233,178 shares of the Issuer's common stock issued to Morgenthaler Partners VII, L.P. ("MP VII") in satisfaction of accumulated dividends on the Series A Preferred Stock, Series C Preferred Stock and Series D Preferred Stock owned by MP VII.
- The Reporting Person is a member of Morgenthaler Management Partners VII, LLC, the managing general partner of Morgenthaler Partners VII, L.P. As such, the Reporting Person shares voting and investment power over the shares held by Morgenthaler Partners VII, L.P. and may be deemed to have indirect beneficial ownership of such shares. The Reporting Person disclaims beneficial ownership of such shares held by Morgenthaler Partners VII, L.P. except to his proportionate pecuniary interest therein.
- (4) These securities automatically converted into 407,830 shares of the Issuer's common stock upon the closing of the Issuer's initial public offering. The conversion of the Series A Preferred Stock gives effect to the Issuer's 1-for-4.904 reverse stock split
- (5) These securities automatically converted into 1,305,057 shares of the Issuer's common stock upon the closing of the Issuer's initial public offering. The conversion of the Series C Preferred Stock gives effect to the Issuer's 1-for-4.904 reverse stock split.
- (6) These securities automatically converted into 382,170 shares of the Issuer's common stock upon the closing of the Issuer's initial public offering. The conversion of the Series D Preferred Stock gives effect to the Issuer's 1-for-4.904 reverse stock split.
- (7) The warrants to purchase shares of Series C Preferred Stock automatically converted into warrants to purchase shares of the Issuer's common stock upon the closing of the Issuer's initial public offering.
- (8) The number of shares and exercise price gives effect to the Issuer's 1-for-4.901 reverse stock split.

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.