Doughty Brian
Form 3
February 25, 2009

FORM 3

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Â Doughty Brian
(Last) (First) (Middle)

651 CAMPUS DRIVE
(Street)

ST. PAUL,Â MNÂ 55112
(City) (State) (Zip)

2. Date of Event Requiring Statement (Month/Day/Year)
02/25/2009

3. Issuer Name **and** Ticker or Trading Symbol
REPLIDYNE INC [CSII]

4. Relationship of Reporting Person(s) to Issuer
(Check all applicable)
_____ Director
_____ 10% Owner
__X__ Officer (give title below)
_____ Other (specify below)
VP of Marketing

5. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
_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 Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	3,170	D	Â

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

SEC 1473 (7-02)

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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 of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of			

				Shares		(I) (Instr. 5)	
Stock Option (right to buy)	Â (1)	12/18/2016	Common Stock	45,290	$ 8.83	D	Â
Stock Option (right to buy)	Â (2)	04/17/2017	Common Stock	3,235	$ 8.83	D	Â
Stock Option (right to buy)	Â (3)	06/11/2017	Common Stock	16,175	$ 7.9	D	Â
Stock Option (right to buy)	Â (4)	08/06/2017	Common Stock	6,470	$ 7.9	D	Â
Stock Option (right to buy)	Â (5)	12/11/2017	Common Stock	32,350	$ 12.15	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Doughty Brian 651 CAMPUS DRIVE ST. PAUL,Â MNÂ 55112	Â	Â	Â VP of Marketing	Â

Signatures

/s/ John R. Remakel as Attorney-in-Fact for Brian Doughty pursuant to Power of Attorney filed herewith.	02/25/2009
**Signature of Reporting Person	Date

Explanation of Responses:

***** 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).

(1) Exercisable: 15,096 on 12/19/07 and 15,097 on 12/19/08 and 12/19/09.

(2) Exercisable: 1,079 on 4/18/08 and 1,078 on 4/18/09 and 4/18/10.

(3) Exercisable: 5,391 on 6/12/08 and 5,392 on 6/12/09 and 6/12/10.

(4) Exercisable: 2,156 on 8/7/08 and 2,157 on 8/7/09 and 8/7/10.

(5) Exercisable: 16,175 on 2/25/10 and 2/25/11.

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.