REPLIDYNE INC Form SC 13G February 09, 2009

#### SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

Replidyne, Inc.
(Name of Issuer)
Common Stock, \$0.001 par value per share
(Title of Class of Securities)
76028W-107
(Cusip Number)
12/31/2008
(Date of Event Which Requires Filing of This Statement)

Check the appropriate box to designate the rule pursuant to which the Schedule is filed:

- [ ] Rule 13d-1(b)
- [X] Rule 13d-1(c)
- [ ] Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 76028W-107

1	NAME OF REPORTING PERSON   S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITY ONLY)						
	Morgenthaler Partners VII, LP 34-1949423						
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [X ]						
	(SEE INSTRUCTIONS)   		(b)	[	]		
3	SEC USE ONLY						
	   CITIZENSHIP OR PLACE OF (   Delaware	ORGANIZAT	CION				
	NUMBER OF	   5	SOLE VOTING POWER				
 	SHARES		0				
	BENEFICIALLY		SHARED VOTING POWER				
	OWNED BY		   2,328,235 (See Item 4)				
	EACH		   SOLE DISPOSITIVE POWER				
	REPORTING		0				
 	PERSON	 					
	WITH	8	SHARED DISPOSITIVE POWER				
	 	 	2,328,235 (See Item 4)				
9	AGGREGATE AMOUNT BENEFIC: 	IALLY OWN	NED BY EACH REPORTING PERSON				
	2,328,235 (See Item	4)					
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES (SEE INSTRUCTIONS) [ ] N/A						
11	PERCENT OF CLASS REPRESEN	NTED BY A	AMOUNT IN ROW (9)				
	8.59%						
12	TYPE OF REPORTING PERSON	(SEE INS	STRUCTIONS)				
	   PN						

	NAME OF REPORTING PERSON   S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITY ONLY)					
	Morgenthaler Management Partners VII 34-1949424					
	CHECK THE APPROPRIATE BOX   (SEE INSTRUCTIONS)	IF A ME	EMBER OF A GROUP* (a) [ X ]			
	(SEE INSTRUCTIONS)		(b) [ ] 			
3	SEC USE ONLY					
	CITIZENSHIP OR PLACE OF C	)RGANIZAT				
	NUMBER OF	'	SOLE VOTING POWER			
	SHARES		0			
	BENEFICIALLY	6	SHARED VOTING POWER			
	OWNED BY		2,328,235 (See Item 4)			
	EACH	7	SOLE DISPOSITIVE POWER			
	REPORTING		0			
	PERSON	 Q	SHARED DISPOSITIVE POWER			
	WITH	0				
	'					
9	AGGREGATE AMOUNT BENEFICI 	ALLY OWN	NED BY EACH REPORTING PERSON			
	2,328,235 (See Item 4)					
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES (SEE INSTRUCTIONS) [ ] N/A					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)   8.59%					
12	TYPE OF REPORTING PERSON	(SEE INS	STRUCTIONS)			
	PN					

	NAME OF REPORTING PERSON     S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITY ONLY)       Robert D. Pavey							
	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (a) [ X ]   (SEE INSTRUCTIONS)  (b) [ ]							
3	SEC USE ONLY							
4	CITIZENSHIP OR PLACE OF ORGANIZATION   United States							
	NUMBER OF SHARES	   5 	SOLE VOTING POWER					
   	BENEFICIALLY	   6 	   SHARED VOTING POWER 					
1	OWNED BY	 	2,328,235 (See Item 4)					
	EACH	7	SOLE DISPOSITIVE POWER					
	REPORTING	   	 					
	PERSON		   SHARED DISPOSITIVE POWER					
	WITH	   	   2,328,235 (See Item 4) 					
9	AGGREGATE AMOUNT BENEFIC	IALLY OWN	NED BY EACH REPORTING PERSON					
	2,328,235 (See Item 4)							
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES (SEE INSTRUCTIONS) [ ]   N/A							
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)   8.59%							
12	TYPE OF REPORTING PERSON	(SEE INS	STRUCTIONS)					
	I I IN							

	NAME OF REPORTING PERSON       S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITY ONLY)							
	Robert C. Bellas, Jr. 							
	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [ X							
	(SEE INSTRUCTIONS)   		] (d) 	]				
3	   SEC USE ONLY 							
4	CITIZENSHIP OR PLACE OF (   United States	DRGANIZAT	CION					
	NUMBER OF	5	SOLE VOTING POWER					
	SHARES		0					
1	BENEFICIALLY	   6	SHARED VOTING POWER					
1	OWNED BY		2,328,235 (See Item 4)					
1	EACH	   7	SOLE DISPOSITIVE POWER					
	REPORTING		0					
	PERSON	 						
 	WITH	8   	SHARED DISPOSITIVE POWER					
 		 	2,328,235 (See Item 4)					
9	AGGREGATE AMOUNT BENEFIC	[ALLY OWN	NED BY EACH REPORTING PERSON					
	   2,328,235 (See Item 4)							
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES (SEE INSTRUCTIONS) [ ]   N/A							
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)   8.59%							
12	   TYPE OF REPORTING PERSON	(SEE INS	GTRUCTIONS)					
	   IN							
I	TTA							

1	NAME OF REPORTING PERSON   S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITY ONLY)					
	Gary J. Morgenthaler					
2	CHECK THE APPROPRIATE BOX (SEE INSTRUCTIONS)	X IF A ME				
			(d) [ ] 			
3	SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ( United States	ORGANIZAT	TION			
	NUMBER OF	5	SOLE VOTING POWER			
	SHARES	 				
	BENEFICIALLY	6	SHARED VOTING POWER			
	OWNED BY	 	2,328,235 (See Item 4)			
	EACH	   7	SOLE DISPOSITIVE POWER			
 	REPORTING	 				
	PERSON	 				
	WITH	8   	SHARED DISPOSITIVE POWER			
		 	2,328,235 (See Item 4)			
9	AGGREGATE AMOUNT BENEFIC	IALLY OWN	NED BY EACH REPORTING PERSON			
	2,328,235 (See Item 4)					
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES					
11	PERCENT OF CLASS REPRESEN	NTED BY A	AMOUNT IN ROW (9)			
	8.59%					
12	TYPE OF REPORTING PERSON	(SEE INS	STRUCTIONS)			
	IN					

	NAME OF REPORTING PERSON     S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITY ONLY)						
	John D. Lutsi						
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [ X ]						
	(SEE INSTRUCTIONS)		(b) [ ]				
3	SEC USE ONLY						
4	CITIZENSHIP OR PLACE OF C   United States	RGANIZAT	TION				
	NUMBER OF	5	SOLE VOTING POWER				
	SHARES		0				
	BENEFICIALLY	6	SHARED VOTING POWER				
	OWNED BY	2,328,235 (See Item 4)					
	EACH	7	SOLE DISPOSITIVE POWER				
 	REPORTING	 	0				
i I	PERSON	 8	SHARED DISPOSITIVE POWER				
	WITH		2,328,235 (See Item 4)				
9		ALLY OWN	ED BY EACH REPORTING PERSON				
	2,328,235 (See Item 4)						
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES (SEE INSTRUCTIONS) [ ]   N/A						
11	PERCENT OF CLASS REPRESEN	TED BY A	MOUNT IN ROW (9)				
12	TYPE OF REPORTING PERSON	(SEE INS	TRUCTIONS)				
	IN						

	NAME OF REPORTING PERSON								
	Theodore A. Laufik 								
2   1   1   1   1   1   1   1   1   1	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  (SEE INSTRUCTIONS)  (b) [ ]								
3	SEC USE ONLY								
	CITIZENSHIP OR PLACE OF C   United States	)RGANIZAT	CION						
	NUMBER OF	5	SOLE VOTING POWER						
 	SHARES	 	0						
 	BENEFICIALLY	6   1	SHARED VOTING POWER						
i I	OWNED BY		2,328,235 (See Item 4)						
 	EACH	7	SOLE DISPOSITIVE POWER						
 	REPORTING	 	0						
 	PERSON	8	SHARED DISPOSITIVE POWER						
 	WITH		2,328,235 (See Item 4)						
   9 	•	ALLY OWN	HED BY EACH REPORTING PERSON						
	2,328,235 (See Item 4)								
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES (SEE INSTRUCTIONS) [ ]   N/A								
11	   PERCENT OF CLASS REPRESEN   8.59%	TED BY #	MOUNT IN ROW (9)						
1 12	   TYPE OF REPORTING PERSON 	(SEE INS	TRUCTIONS)						
	   IN								

### SCHEDULE 13G

	NAME OF REPORTING PERSON   S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITY ONLY)			
	Gary R. Little			
	CHECK THE APPROPRIATE BOX   (SEE INSTRUCTIONS)	K IF A ME	EMBER OF A GROUP (a) [ X (b) [	]
3	   SEC USE ONLY			
	CITIZENSHIP OR PLACE OF ( United States	DRGANIZAT	TION	
	NUMBER OF	5	SOLE VOTING POWER	
1	SHARES		0	
	BENEFICIALLY	6	SHARED VOTING POWER	
	OWNED BY		2,328,235 (See Item 4)	
	EACH	7	SOLE DISPOSITIVE POWER	
	REPORTING		0	
	PERSON			
 	WITH	8	SHARED DISPOSITIVE POWER	
 	 	 	2,328,235 (See Item 4)	
9	AGGREGATE AMOUNT BENEFIC	IALLY OWN	NED BY EACH REPORTING PERSON	
 	2,328,235 (See Item 4)			
	-			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)   8.59%			
12	TYPE OF REPORTING PERSON	(SEE INS	STRUCTIONS)	
	   IN			

1	NAME	OF	REPORT	ING PERSON							- 1
	S.S.	OR	I.R.S.	IDENTIFICATION	NO.	OF	ABOVE	PERSON	(ENTITY	ONLY)	

	Peter G. Taft 				_		
	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [ X   (SEE INSTRUCTIONS)						
3	SEC USE ONLY						
	CITIZENSHIP OR PLACE OF ORGANIZATION   United States						
	NUMBER OF	 	SOLE VOTING POWER		-		
	SHARES	 	0				
	BENEFICIALLY	   6	SHARED VOTING POWER				
	OWNED BY	 	2,328,235 (See Item 4)				
	EACH	 	SOLE DISPOSITIVE POWER		-		
	REPORTING	 					
	PERSON	 	0 		_		
	WITH	8       	SHARED DISPOSITIVE POWER  2,328,235 (See Item 4)				
9	AGGREGATE AMOUNT BENEFIC	 IALLY OWN	NED BY EACH REPORTING PERSON		-		
	   2,328,235 (See Item 4)						
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN   SHARES (SEE INSTRUCTIONS) [   N/A						
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)   8.59%						
12	TYPE OF REPORTING PERSON	(SEE INS	STRUCTIONS)		-		
	   IN						

## SCHEDULE 13G

Item 1(a). NAME OF ISSUER: Replidyne, Inc.

Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

1450 Infinite Drive Louisville, CO 80027

- Item 2(a). NAMES OF PERSONS FILING: Morgenthaler Partners VII (MPVII);
   Morgenthaler Management Partners VII (MMP VII), the general partner
   of MP VII; Robert D. Pavey, Robert C. Bellas, Jr., Gary J.
   Morgenthaler, Theodore A. Laufik, Gary R. Little, Peter G. Taft
   and John D. Lutsi (collectively, the "Managing Members")
   are members of MMP VII, the general partner of MP VII.
- Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The address of the principal business office of MP VII, MMP VII and each of the Managing Members is:

Morgenthaler Partners VII, L.P. 50 Public Square Suite 2700 Cleveland, Ohio 44113

- Item 2(c). CITIZENSHIP: MP VII is a limited partnership organized under the laws of Delaware and MMP VII is a limited liability company organized under the laws of the State of Ohio. Each of the Managing Members is a United States citizen.
- Item 2(e). CUSIP NUMBER: 76028W-107
- Item 3. IF THIS STATEMENT IS FILED PURSUANT TO RULES 13d-1(b), OR 13d-2(b), CHECK WHETHER THE PERSON FILING IS a:
  - (a) [ ] Broker or Dealer registered under Section 15 of the Securities Exchange Act of 1934 (the "Act").
  - (b) [ ] Bank as defined in Section 3(a)(6) of the Act.
  - (c) [ ] Insurance Company as defined in Section 3(a) (19) of the Act.
  - (d) [ ] Investment Company registered under Section 8 of the Investment Company Act of 1940.
  - (e) [ ] Investment Advisor registered under Section 203 of the Investment Advisors Act of 1940.
  - (f) [ ] Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(f) of the Act.
  - (g) [ ] Parent Holding Company, in accordance with Rule 13d-1(b)(ii)(G) of the Act.
  - (h) [ ] Group, in accordance with Rule 13d-1(b)(1)(ii)(H) of the Act.

Not Applicable.

#### Item 4. OWNERSHIP.

(a)

Amount beneficially owned: MP VII, 2,328,235 shares of Replidyne Inc. and each of MMP VII, Robert D. Pavey, Robert C.Bellas, Jr., Gary J. Morgenthaler, Theodore A. Laufik, Gary R. Little,

Peter G. Taft and John D. Lutsi may be deemed to beneficially own 2,328,235 shares of Replidyne Inc. (the company) as of December 31, 2008.

MP VII is the record owner of 2,328,235 shares. MMP VII, in its capacity as The General partner of MP VII, may be deemed beneficially own such 2,328,235 shares.

(b) Percent of Class: (based on 27,115,166 shares of common stock)

MP VII: 8.59% MMP VII: 8.59% Robert D. Pavey: 8.59% Robert C. Bellas: 8.59% Gary J. Morgenthaler: 8.59% John D. Lutsi: 8.59% 8.59% Theodore A. Laufik Gary R. Little: 8.59% Peter G. Taft: 8.59%

- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote:

N/A

(ii) shared power to vote or to direct the vote:

MP VII: 2,328,235 shares
MMP VII: 2,328,235 shares
Robert D. Pavey: 2,328,235 shares
Robert C. Bellas: 2,328,235 shares
Gary J. Morgenthaler: 2,328,235 shares
John D. Lutsi: 2,328,235 shares
Theodore A. Laufik 2,328,235 shares
Gary R. Little: 2,328,235 shares
Peter G. Taft: 2,328,235 shares

(iii) sole power to dispose or direct the disposition of:

N/A

(iv) shared power to dispose or direct the disposition of:

MP VII: 2,328,235 shares
MMP VII: 2,328,235 shares
Robert D. Pavey: 2,328,235 shares
Robert C. Bellas: 2,328,235 shares
Gary J. Morgenthaler: 2,328,235 shares
John D. Lutsi: 2,328,235 shares
Theodore A. Laufik 2,328,235 shares
Gary R. Little: 2,328,235 shares
Peter G. Taft: 2,328,235 shares

Each of MP VII and MMP VII and each of the Managing Members expressly disclaims beneficial ownership of any shares of common stock of the Company, except in the case of MP VII, for the 2,328,235 shares which its holds of record.

Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not Applicable.

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Not Applicable.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not Applicable.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not Applicable.

Item 9. NOTICE OF DISSOLUTION OF GROUP.

Not Applicable.

Item 10. CERTIFICATION.

Not Applicable. This statement on Schedule 13G is not filed pursuant to Rule 13d-1 (b).

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

# SIGNATURES

After reasonable inquiry and to the best of its knowledge and belief, I certify that the information set forth in this statement is true, complete, and correct.

Date: February 13, 2009

MORGENTHALER PARTNERS VII

General Partner

By: Morgenthaler Management Partners VII, LLC

By: \*

MORGENTHALER MANAGEMENT PARTNERS VII, LLC

Managing Member

\*
Robert D. Pavey

\*

Robert C. Bellas, Jr.

	*	
Gary	J.	Morgenthaler
	*	
		Lutsi
	*	
		Little
	*	
		. Taft
Ву:	/s/	Theodore A. Laufik
		Theodore A. Laufik Attorney-in-Fact