InfuSystem Holdings, Inc Form SC 13G/A February 09, 2009

3. SEC USE ONLY

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b)(c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No. 2)

					,				•				
							em Holdi						
							e of Iss						
									ar Value				
							lass of						
							5685K102						
							SIP Numb						
					De	cemb	per 31,						
		([Date of	Event	Which	Rec	quires F		ng of this				
Sche	Check dule is			opriate	box	to	designa	te	the rule	pursua	nt to	which	this
	[[]	Rule 3	l3d-1(b)									
	[[x]	Rule 1	13d-1(c)									
	[[]	Rule 3	13d-1(d)									
CUSI	P No. 4												
1.				NG PERSO CATION N		ABO	OVE PERS	ONS	(ENTITIES	ONLY)			
	Brian	Tayl	Lor										
2.	CHECK	THE	APPROI	PRIATE B	OX IF	AN	MEMBER O	F A	GROUP		(a) (b)		

4.	CITIZENSHIP OR PLACE OF ORGANIZATION								
	United States								
NUMBE	ER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH								
5.	SOLE VOTING POWER								
	0								
6.	SHARED VOTING POWER								
	1,727,500								
7.	SOLE DISPOSITIVE POWER								
	0								
8.	SHARED DISPOSITIVE POWER								
	1,727,500								
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON								
	1,727,500								
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAI	N SHA	RES						
			[[_]					
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9								
	9.1%								
12.	TYPE OF REPORTING PERSON								
	IN								
CIISTE	P No. 45685K102								
CODII									
1.	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)								
	Pine River Capital Management L.P.								
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		[_] [x]						
3.	SEC USE ONLY								

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware, United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

1,727,500

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

1,727,500

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,727,500

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

[_]

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

9.1%

12. TYPE OF REPORTING PERSON

ΡN

CUSIP No. 45685K102

1. NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Nisswa Master Fund Ltd.

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a) [_]

(b) [X]

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5. SOLE VOTING POWER

0

SHARED VOTING POWER 6. 1,462,500 7. SOLE DISPOSITIVE POWER SHARED DISPOSITIVE POWER 1,462,500 9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,462,500 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) [_] 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 7.8% 12. TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) CO CUSIP No. 45685K102 Item 1(a). Name of Issuer: InfuSystem Holdings, Inc. Item 1(b). Address of Issuer's Principal Executive Offices: 1551 East Lincoln Avenue, Suite 200 Madison Heights, MI 48071 _____ Item 2(a). Name of Persons Filing: Brian Taylor Pine River Capital Management L.P. Nisswa Master Fund Ltd. ._____ Item 2(b). Address of Principal Business Office, or if None, Residence: Brian Taylor Pine River Capital Management L.P. 601 Carlson Parkway Suite 330

Minnetonka, MN 55305

Nisswa Master Fund Ltd. c/o Pine River Capital Management L.P. 601 Carlson Parkway Suite 330 Minnetonka, MN 55305 _____ Item 2(c). Citizenship: Brian Taylor - United States Pine River Capital Management L.P. - Delaware, United States Nisswa Master Fund Ltd. - Cayman Islands Item 2(d). Title of Class of Securities: Common Stock, \$.0001 Par Value Item 2(e). CUSIP Number: 45685K102 ______ If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a: [_] Broker or dealer registered under Section 15 of the Exchange Act. (b) [_] Bank as defined in Section 3(a)(6) of the Exchange Act. [_] Insurance company as defined in Section 3(a)(19) of the Exchange (C) Act. [_] Investment company registered under Section 8 of the Investment (d) Company Act. [_] An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E); (f) [_] An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F); (g) [_] A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G); (h) [_] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act; (i) [_] A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(j) [_] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

(a) Amount beneficially owned:

```
Brian Taylor - 1,727,500
        Pine River Capital Management L.P. - 1,727,500
        Nisswa Master Fund Ltd. - 1,462,500
                                          _____
    (b) Percent of class:
        Brian Taylor - 9.1%
        Pine River Capital Management L.P. - 9.1%
        Nisswa Master Fund Ltd. - 7.8%
    (c) Number of shares as to which such person has:
         (i)
             Sole power to vote or to direct the vote:
              Brian Taylor - 0
              Pine River Capital Management L.P. - 0
              Nisswa Master Fund Ltd. - 0
         (ii) Shared power to vote or to direct the vote:
              Brian Taylor - 1,727,500
              Pine River Capital Management L.P. - 1,727,500
              Nisswa Master Fund Ltd. - 1,462,500
         (iii) Sole power to dispose or to direct the disposition of:
              Brian Taylor - 0
              Pine River Capital Management L.P. - 0
              Nisswa Master Fund Ltd. - 0
             Shared power to dispose or to direct the disposition of:
              Brian Taylor - 1,727,500
              Pine River Capital Management L.P. - 1,727,500
              Nisswa Master Fund Ltd. - 1,462,500
Item 5. Ownership of Five Percent or Less of a Class.
Item 6. Ownership of More Than Five Percent on Behalf of Another Person.
       N/A
Item 7. Identification and Classification of the Subsidiary Which Acquired the
       Security Being Reported on by the Parent Holding Company or Control
       Person.
        ______
Item 8. Identification and Classification of Members of the Group.
        _____
Item 9. Notice of Dissolution of Group.
```

N/A

Item 10. Certifications.

By signing below, each reporting person certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

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

/s/ Brian Taylor*
----Brian Taylor

PINE RIVER CAPITAL MANAGEMENT L.P.*
By: Pine River Capital Management LLC, its general partner

/s/ Brian Taylor
-----By: Brian Taylor
Title: Sole Member

Nisswa Master Fund Ltd.*

/s/ Brian Taylor
----By: Brian Taylor
Title: Director

Date: February 9, 2009

*The Reporting Persons disclaim beneficial ownership in the common stock reported herein except to the extent of their pecuniary interest therein.

EXHIBIT A

AGREEMENT

The undersigned agree that this Schedule 13G dated February 9, 2009 relating to the Common Stock, \$.0001 Par Value of InfuSystem Holdings, Inc. shall be filed on behalf of the undersigned.

/s/ Brian Taylor
----Brian Taylor

PINE RIVER CAPITAL MANAGEMENT L.P.
By: Pine River Capital Management LLC, its general partner

/s/ Brian Taylor

By: Brian Taylor Title: Sole Member

Nisswa Master Fund Ltd.

/s/ Brian Taylor

By: Brian Taylor Title: Director