

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 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  
(Amendment No.    )\***

**INFUSYSTEM HOLDINGS, INC.**

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(Name of Issuer)

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**Common Stock, \$0.0001 par value per share**

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(Title of Class of Securities)

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**45685K102**

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(CUSIP Number)

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**July 14, 2009**

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(Date of Event Which Requires Filing of this Statement)

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

- Rule 13d-1(b)
- 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).

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CUSIP No. 45685K102

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1. Names of Reporting Persons  
Capital Ventures International ("CVI")

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

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(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
Cayman Islands

	5.	Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	6.	Shared Voting Power 1,007,000**
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 1,007,000**
	9.	Aggregate Amount Beneficially Owned by Each Reporting Person 1,007,000 Shares of Common Stock
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="radio"/>	
11.	Percent of Class Represented by Amount in Row (9) 5.2%	
12.	Type of Reporting Person (See Instructions) CO	

\*\* SAGI is the investment manager to CVI and as such may exercise voting and dispositive power over these shares.

CUSIP No. 45685K102

1.	Names of Reporting Persons Susquehanna Advisors Group, Inc. ("SAGI")	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)	
	(a)	<input type="radio"/>
	(b)	<input type="radio"/>
3.	SEC Use Only	
4.	Citizenship or Place of Organization Delaware	
	5.	Sole Voting Power 0

Number of Shares Beneficially Owned by Each Reporting Person With	6.	Shared Voting Power 1,007,000**
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 1,007,000**
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 1,007,000	
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="radio"/>	
11.	Percent of Class Represented by Amount in Row (9) 5.2%	
12.	Type of Reporting Person (See Instructions) CO	

\*\*SAGI is the investment manager to CVI and as such may exercise voting and dispositive power over these shares.

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**Item 1.**

- (a) Name of Issuer  
InfuSystem Holdings, Inc., a Delaware corporation (the "Company").
- (b) Address of Issuer's Principal Executive Offices  
1551 East Lincoln Avenue,  
Suite 200  
Madison Heights, MI 48071

**Item 2.**

- (a) Name of Person Filing (each, a "Reporting Person")  
(1) Capital Ventures International  
(2) Susquehanna Advisors Group, Inc.
- (b) Address of Principal Business Office or, if none, Residence  
for SAGI:  
401 City Avenue,  
Suite 220,  
Bala Cynwyd, PA 19004

For CVI:  
One Capitol Place  
P.O. Box 1787 GT  
Grand Cayman, Cayman Islands  
British West Indies

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(c)	Citizenship For SAGI: Delaware  For CVI: Cayman Islands, B.W.I.
(d)	Title of Class of Securities Common Stock, \$0.0001 par value per share, of the Company (the "Shares")
(e)	CUSIP Number 45685K102

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**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);
- (k)  Group, in accordance with § 240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J), please specify the type of institution:

CUSIP No. 45685K102

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**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.

The information required by Items 4(a) – (c) is set forth in Rows 5 – 11 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each Reporting Person. The amount beneficially owned by each Reporting Person is comprised of warrants exercisable for 1,007,000 Shares of the Company's Common Stock. The Company's Form 10-Q for the Quarterly Period Ended March 31, 2009, filed on May 5, 2009, indicates that there were 18,537,671 Shares of Common Stock outstanding as of May 1, 2009.

SAGI, which serves as investment manager to CVI, may be deemed to be the beneficial owner of all Shares owned by CVI. Each Reporting Person hereby disclaims any beneficial ownership of any such Shares, except to the

extent of any pecuniary interest therein.

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**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

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**Item 10. Certification**

By signing below each of the undersigned 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.

Date: July 24, 2009

Capital Ventures International  
By: Susquehanna Advisors Group, Inc.,  
pursuant to a Limited Power of Attorney,  
a copy of which is filed as Exhibit II hereto

By: /s/ Todd Silverberg  
Todd Silverberg, Assistant Secretary

Susquehanna Advisors Group, Inc.  
By: /s/ Todd Silverberg  
Todd Silverberg, Assistant Secretary

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Exhibit I: Joint Filing Agreement, dated as of July 24, 2009, pursuant to Rule 13d-1(k) between Capital Ventures International and Susquehanna Advisors Group, Inc.

Exhibit II: Limited Power of Attorney executed by Capital Ventures International, authorizing Bala International, Inc. (predecessor to Susquehanna Advisors Group, Inc.) to sign and file this Schedule 13G on its behalf, dated as of May 28, 1996.

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## EXHIBIT I

### JOINT FILING AGREEMENT

The undersigned hereby agree that the statement on Schedule 13G with respect to the shares of Common Stock of the Issuer, dated July 24, 2009, and any amendments thereto signed by each of the undersigned shall be filed on behalf of each of them pursuant to and in accordance with the provisions of 13d-1(k) under the Securities Exchange Act of 1934.

Date: July 24, 2009

Capital Ventures International  
By: Susquehanna Advisors Group, Inc.,  
pursuant to a Limited Power of Attorney,  
a copy of which is filed as Exhibit II hereto  
By: /s/ Todd Silverberg  
Todd Silverberg, Assistant Secretary

Susquehanna Advisors Group, Inc.  
By: /s/ Todd Silverberg  
Todd Silverberg, Assistant Secretary

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## EXHIBIT II

### LIMITED POWER OF ATTORNEY

THIS LIMITED POWER OF ATTORNEY given on the 28th day of May, 1996 by Capital Ventures International (hereinafter called "the Company") whose Registered Office is situated at Second Floor, One Capital Place, P.O. Box 1787, Grand Cayman, Cayman Islands, B.W.I.

WHEREAS by agreement dated May 28, 1996, by and between the Company and Bala International, Inc, the Company expressly authorised Bala International, Inc. to enter into transactions in certain designated areas as defined in the Agreement attached hereto marked "Appendix 1."

NOW THIS DEED WITNESSETH that Ian A.N. Wight (Director) and Woodburne Associates (Cayman) Limited (Secretary) of the Company, hereby appoint on behalf of the Company the firm of Bala International, Inc. which through its officers, directors and employees is hereby formally granted limited power of attorney for the purpose of entering into transactions on behalf of and for the account of the Company and to take any actions on behalf of the Company as may be necessary to consummate such transactions, including but not limited to instructing the transfer of funds where necessary and executing required documentation.

IN WITNESS WHEREOF the Company has caused its common seal to be hereunto affixed the day and year above written.

THE COMMON SEAL OF  
CAPITAL VENTURES INTERNATIONAL  
was hereunto affixed in the presence of:

/s/ Ian A.N. Wight  
Ian A.N. Wight  
(Director)

/s/ Illegible

Witness

/s/ Woodburne Associates

For: Woodburne Associates

(Cayman) Limited

Secretary