

FORM 4

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

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 - GLOBAL UNDERVALUED SECURITIES MASTER FUND LP <small>(Last) (First) (Middle)</small>		2. Issuer Name and Ticker or Trading Symbol InfuSystem Holdings, Inc [INFU]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) None - See Footnote (1)	
C/O BNY MELLON ALTERNATIVE INVEST. SVCS., 48 PAR-LA-VILLE ROAD, SUITE 464 <small>(Street)</small>		3. Date of Earliest Transaction (Month/Day/Year) 04/27/2012		6. Individual or Joint/Group Filing (Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person	
HAMILTON, D0 HM 11 <small>(City) (State) (Zip)</small>		4. If Amendment, Date Original Filed (Month/Day/Year)			

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D) Price			
Common Stock							1,861,480	I	See Footnote (1)

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

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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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GLOBAL UNDERVALUED SECURITIES MASTER FUND LP C/O BNY MELLON ALTERNATIVE INVEST. SVCS. 48 PAR-LA-VILLE ROAD, SUITE 464 HAMILTON, D0 HM 11				None - See Footnote (1)
GLOBAL UNDERVALUED SECURITIES FUND LP C/O BNY MELLON ALTERNATIVE INVEST. SVCS. 48 PAR-LA-VILLE ROAD, SUITE 464 HAMILTON, D0 HM 11				None - See Footnote (1)
Global Undervalued Securities Fund QP L P C/O BNY MELLON ALTERNATIVE INVEST. SVCS. 48 PAR-LA-VILLE ROAD, SUITE 464 HAMILTON, D0 HM 11				None - See Footnote (1)

Global Undervalued Securities Fund Ltd C/O BNY MELLON ALTERNATIVE INVEST. SVCS. 48 PAR-LA-VILLE ROAD, SUITE 464 HAMILTON, D0 HM 11				None - See Footnote (1)
KLEINHEINZ CAPITAL PARTNERS, INC. 301 COMMERCE STREET, SUITE 1900 FORT WORTH, TX 76102				None - See Footnote (1)
Kleinheinz Capital Partners LDC C/O WALKERS SPV LIMITED WALKER HOUSE, 87 MARY STREET GEORGE TOWN, GRAND CAYMAN, E9 KY1-9002				None - See Footnote (1)
KLEINHEINZ JOHN B 301 COMMERCE STREET, SUITE 1900 FORT WORTH, TX 76102				None - See Footnote (1)

Signatures

/s/ John B. Kleinheinz, President of Kleinheinz Capital Partners, Inc., investment manager of Global Undervalued Securities Fund, L.P., general partner of Global Undervalued Securities Master Fund, L.P.		05/01/2012
 Signature of Reporting Person		Date
/s/ John B. Kleinheinz, President of Kleinheinz Capital Partners, Inc., investment manager of Global Undervalued Securities Fund, L.P.		05/01/2012
 Signature of Reporting Person		Date
/s/ John B. Kleinheinz, President of Kleinheinz Capital Partners, Inc., investment manager of Global Undervalued Securities Fund (QP), L.P.		05/01/2012
 Signature of Reporting Person		Date
/s/ John B. Kleinheinz, Director of Global Undervalued Securities Fund, Ltd.		05/01/2012
 Signature of Reporting Person		Date
/s/ John B. Kleinheinz, President of Kleinheinz Capital Partners, Inc.		05/01/2012
 Signature of Reporting Person		Date
/s/ John B. Kleinheinz, Managing Director of Kleinheinz Capital Partners LDC		05/01/2012
 Signature of Reporting Person		Date
/s/ John B. Kleinheinz		05/01/2012
 Signature of Reporting Person		Date

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 Reporting Persons are no longer members of a group beneficially owning more than 10% of the Issuer's common stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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