Daly Joseph Patrick Form SC 13D/A December 29, 2009

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

SCHEDULE 13D/A

UNDER THE SECURITIES EXCHANGE ACT OF 1934

MFIC Corp.					
(Name of Issuer)					
Common Stock, no par value					
(Title of Class of Securities)					
595073107					
(CUSIP Number)					

Joseph P. Daly 497 Circle Freeway Cincinnati, Ohio 45246 (513) 943-7100

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

December 28, 2009

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Sections 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. []

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Section 240.13d-7 for other parties to whom copies are to be sent.

The information required on 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.	595073107		13D/A
1	NAMES	S OF REPORTING PER	RSONS	
	j	Joseph P Daly		
	I.R.S	G. IDENTIFICATION	NOS. OF ABO	OVE PERSONS (entities only)
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)			
3		JSE ONLY		
4		CE OF FUNDS (See		
		PF		
5	CHECK	K BOX IF DISCLOSUE	RE OF LEGAL	PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(D) OR 2(E)
6	CITIZ	ZENSHIP OR PLACE (OF ORGANIZA	TION
	J 	Jnited States		
	NUMBEF	R OF SHARES	7	SOLE VOTING POWER
	BENE	EFICIALLY		712,427
	OV	NNED BY	8	SHARED VOTING POWER
	EACH	REPORTING		-0-
	PERS	SON WITH	9	SOLE DISPOSITIVE POWER
		_		712,427
			10	SHARED DISPOSITIVE POWER
		_		-0-
11	AGGRE	EGATE AMOUNT BENER	FICIALLY OWN	NED BY EACH REPORTING PERSON
		712,427		
12	CHECK		E AMOUNT IN	ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
13	PERCE	ENT OF CLASS REPRI	ESENTED BY A	AMOUNT IN ROW (11)
		6.86%		
14	TYPE	OF REPORTING PERS		
		IN		

		595073107		13D/A
1	NAMES	OF REPORTING PE		
	ŀ	Karina Daly		
				OVE PERSONS (entities only)
2				
3		JSE ONLY		
4		CE OF FUNDS (See		
		PF		
5	CHECK	K BOX IF DISCLOSU	RE OF LEGAL	PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(D) OR 2(E)
6		ZENSHIP OR PLACE		
	J	Jnited States		
	NUMBER	R OF SHARES	7	SOLE VOTING POWER
	BENE	EFICIALLY		57,000
	OV	NED BY		SHARED VOTING POWER
	EACH	REPORTING		-0-
	PERS	SON WITH	9	SOLE DISPOSITIVE POWER
				57,000
			10	SHARED DISPOSITIVE POWER
				-0-
11	AGGRE	EGATE AMOUNT BENE	FICIALLY OW	NED BY EACH REPORTING PERSON
		57,000		
12	CHECK			ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
13	PERCE	ENT OF CLASS REPR	ESENTED BY	AMOUNT IN ROW (11)
		0.55%		
14	TYPE	OF REPORTING PER		
		IN		

CUSIP	No.	595073107		13D/A
1	NAMES	OF REPORTING PERSONS		
	Es	ssigPR Inc.		
	I.R.S.	. IDENTIFICATION NOS.	OF ABO	OVE PERSONS (entities only)
2	CHECK	THE APPROPRIATE BOX 1	IF A MI	EMBER OF A GROUP (See Instructions)
3	SEC US			
4	SOURCE	E OF FUNDS (See Instru		
		WC		
5	CHECK	BOX IF DISCLOSURE OF		PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(D) OR 2(E)
6	CITIZE	ENSHIP OR PLACE OF ORC	GANIZA'	TION
	Má	ayaguez, PR, USA		
	NUMBER	OF SHARES	7	SOLE VOTING POWER
	BENE	FICIALLY		338,150
	1WO	NED BY	8	SHARED VOTING POWER
	EACH F	REPORTING		-0-
	PERSO	ON WITH	9	SOLE DISPOSITIVE POWER
				338,150
			10	SHARED DISPOSITIVE POWER
				-0-
11	AGGREC	GATE AMOUNT BENEFICIAL	LLY OW	NED BY EACH REPORTING PERSON
		338,150		
12	CHECK			ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)
13	PERCE	NT OF CLASS REPRESENTE	ED BY	AMOUNT IN ROW (11)
		3.25%		
14	TYPE (OF REPORTING PERSON (S		
		CO		

ITEM 1. SECURITY AND ISSUER.

The class of equity security to which this statement relates is the common stock (the "Common Stock"), no par value per share ("Share"), of Microfluidics International Corporation, a Delaware corporation (the "Issuer"). The address of the principal executive offices of the Issuer is 30 Ossipee Road, PO Box 9101, Newton, MA 02464.

ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION.

Item 3 is hereby amended to read as follows:

The source of funds used by the Reporting Persons are personal funds of each such person with respect to the purchases of such person, except the source of funds used for the purchases by EssigPR, Inc were from working captial. The Reporting Persons did not borrow any funds to acquire their respective shares. The following table shows the APPROXIMATE amounts of funds paid for the Shares by the Reporting Persons.

Joseph P Daly	\$925 , 797
Karina Daly	59 , 358
EssigPR, Inc.	314,225

ITEM 5. INTEREST IN SECURITIES OF THE ISSUER.

Item 5 is hereby amended to read as follows:

(a) The Reporting Persons hereby report beneficial ownership, in the manner hereinafter described, of 1,107,577 shares of the Issuer:

Shares Held in the Name of	Number Of Shares	Percentage of Outstanding Security (1)
Joseph P Daly	712,427	6.86%
Karina Daly	57,000	0.55%
EssigPR Inc.	338,150(2)	3.25%
TOTAL	1,107,577	10.66%

- (1) The foregoing percentages assume that the number of Shares of the Issuer outstanding, based on the number reported in the Issuer's 10-Q for the quarter ended September 30, 2009 is 10,387,282 Shares (as of November 12, 2009).
- (2) Shares are held by EssigPR, Inc., a C corporation controlled by Joseph P. Daly
- (b) Joseph P. Daly has sole voting and dispositive power over his shares enumerated in paragraph (a). Karina Daly has sole voting and dispositive power over her shares enumerated in paragraph (a). EssigPR, Inc. has shared voting and dispositive power over its shares enumerated in paragraph (a).
- (c) Transactions for the 60 days prior to the date of this Schedule 13D/A:

Person Who Effected the Transaction	Transaction Date	Number of Shares Purchased
Joseph P. Daly	11/02/2009	1525
Joseph P. Daly	11/10/2009	775
Joseph P. Daly	11/20/2009	150
Joseph P. Daly	11/25/2009	2000
Joseph P. Daly	12/01/2009	450
Joseph P. Daly	12/09/2009	1000
Joseph P. Daly	12/10/2009	327
EssigPR	12/24/2009	29000
EssigPR	12/24/2009	2500
EssigPR	12/24/2009	4850
EssigPR	12/28/2009	10000
EssigPR	12/28/2009	6500
EssigPR	12/29/2009	15000
Karina Daly	11/02/2009	175
Karina Daly	11/10/2009	825
Karina Daly	11/24/2009	100
Karina Daly	12/09/2009	900

All transactions were effectuated through open-market purchases.

- (d) RIGHT TO RECEIVE OR POWER TO DIRECT: Not applicable.
- (e) DATE REPORTING PERSON CEASED TO BE 5% OWNER: Not applicable.

SIGNATURES

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

Date: December 29, 2009

/s/ Joseph P Daly

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Ρr

Print Name: Joseph P Daly

/s/ Karina Daly

Print Name: Karina Daly

EssigPR, Inc. By:

/s/ Joseph P Daly

Print Name: Joseph P Daly