MFIC CORP Form SC 13D February 23, 2007

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

SCHEDULE 13D

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)

February 12, 2007

(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		
1		OF REPORTING PERSO	DNS			
			DS. OF ABO	OVE PERSONS (entities only)		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)					
3	SEC USE ONLY					
4	SOURCE OF FUNDS (See Instructions) PF					
5	CHECK	BOX IF DISCLOSURE		PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(D) OR 2(E)		
6	CITIZ	ENSHIP OR PLACE OF	ORGANIZA	TION		
	U 	nited States				
	NUMBER	OF SHARES	7	SOLE VOTING POWER		
	BENE	FICIALLY		505,700		
	OW	NED BY	8	SHARED VOTING POWER		
	EACH	REPORTING		-0-		
	PERS	ON WITH		SOLE DISPOSITIVE POWER		
				505,700		
			10	SHARED DISPOSITIVE POWER		
				-0-		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
		505 , 700				
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)					
13	PERCE	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)				
		5.00%				
14	TYPE	OF REPORTING PERSON	N (See Ins	structions)		
		IN				

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 MFIC Corporation, a Newton, Massachuesetts corporation (the "Issuer"). The address of the principal executive offices of the Issuer is 30 Ossipee Road, PO Box 9101, Newton, MA 02464.

ITEM 2. IDENTITY AND BACKGROUND.

This statement is being filed by Joseph P Daly, by virtue of his purchase of certain Shares and resulting beneficial ownership of greater than 5% of the outstanding Shares of the Common Stock.

- (a) NAME: The name of the reporting person is Joseph P. Daly.
- (b) BUSINESS ADDRESS: The principal business address of Mr. Daly is 497 Circle Freeway, Cincinnati, Ohio 45246.
- (c) PRINCIPAL OCCUPATION AND THE NAME, PRINCIPAL BUSINESS AND ADDRESS OF ANY CORPORATION OR ORGANIZATION: Mr. Daly is the chief executive of Essig Research Incorporated. Essig Research offers global engineering services. Mr. Daly's principal business address is 497 Circle Freeway, Cincinnati, Ohio, 45246.
- (d) CRIMINAL PROCEEDINGS: During the past five years, Mr. Daly has not been convicted in a criminal proceeding.
- (e) SECURITIES LAWS: During the past five years, Mr. Daly has not been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction as a result of which such person is or was subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.
- (f) CITIZENSHIP: Mr. Daly is a United States citizen.
- ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION.

Mr. Daly has purchased an aggregate of 505,700 Shares for total consideration of \$744,408.19. Such funds were provided from Mr. Daly's personal funds.

The information set forth in Item 4 of this Schedule 13D is hereby incorporated herein by reference.

ITEM 4. PURPOSE OF TRANSACTION.

Mr. Daly purchased the Shares for investment purposes. Mr. Daly is continuing to review the performance of his investment and his investment alternatives. As part of his ongoing review of his investment in the Shares, Mr. Daly may explore from time to time a variety of alternatives, including the acquisition of additional securities of the Issuer or the disposition of securities of the Issuer in the open market or in privately negotiated transactions. The foregoing reflects activities presently contemplated by Mr. Daly with respect to the Issuer, the foregoing is subject to change at any time, and there can be no assurance that Mr. Daly will take any of the actions referred to above.

Except as set forth in the preceding paragraph, as of the date hereof, Mr. Daly does not currently have any plan or proposal that relates to or would result in:

- (a) An extraordinary corporate transaction, such as a merger, reorganization or liquidation, involving the Issuer or any of its subsidiaries;
- (b) A sale or transfer of a material amount of assets of the Issuer or any of its subsidiaries;
- (c) Any change in the present board of directors or management of the Issuer, including any plans or proposals to change the number or term of directors or to fill any existing vacancies on the board;
- (d) Any material change in the present capitalization or dividend policy of the Issuer;
- (e) Any other material change in the Issuer's business or corporate structure;
- (f) Changes in the Issuer's charter, bylaws or instruments corresponding thereto or other actions which may impede the acquisition of control of the Issuer by any person;
- (g) Causing a class of securities of the Issuer to be delisted from a national securities exchange or to cease to be authorized to be quoted in an inter-dealer quotation system of a registered national securities association;
- (h) A class of equity securities of the Issuer becoming eligible for termination of registration pursuant to Section 12(g)(4) of the Act; or
- (i) Any action similar to any of those enumerated above.

Notwithstanding the foregoing, Mr. Daly reserves the right to effect any such actions as he may deem necessary or appropriate in the future.

The information set forth in Item 3 of this Schedule $13\mathrm{D}$ is hereby incorporated herein by reference.

ITEM 5. INTEREST IN SECURITIES OF THE ISSUER.

- (a) AMOUNT BENEFICIALLY OWNED: As of the date hereof, Mr. Daly beneficially owns an aggregate of 505,700 Shares. Based on the 10,104,366 Shares estimated to be outstanding on February 12, 2007 from the Issuer's quarterly report on Form 10QSB for the period ended September 30, 2006 and the subsequent Form 4 filings, Mr. Daly beneficially owns 5.00% of the outstanding Shares.
- (b) NUMBER OF SHARES AS TO WHICH MR. DALY HAS:
 - (i) Sole power to vote or direct the vote: 505,700
 - (ii) Shared power to vote or direct the vote: 0
 - (iii) Sole power to dispose or direct the disposition of: 505,700

- (iv) Shared power to dispose or direct the disposition of: $^{\circ}$
- (c) TRANSACTIONS SINCE LAST FILING:

Person Who Effected the Transaction	Transaction Date	Number of Shares Purchased
Joseph P. Daly	12/21/2006	700
Joseph P. Daly	12/21/2006	3300
Joseph P. Daly	12/21/2006	600
Joseph P. Daly	12/22/2006	2400
Joseph P. Daly	12/26/2006	2000
Joseph P. Daly	12/26/2006	1000
Joseph P. Daly	12/26/2006	1450
Joseph P. Daly	12/27/2006	2575
Joseph P. Daly	12/27/2006	1000
Joseph P. Daly	12/28/2006	1000
Joseph P. Daly	12/28/2006	100
Joseph P. Daly	12/29/2006	1000
Joseph P. Daly	1/03/2007	3800
Joseph P. Daly	1/08/2007	200
Joseph P. Daly	1/09/2007	1300
Joseph P. Daly	1/09/2007	100
Joseph P. Daly	1/10/2007	770
Joseph P. Daly	1/11/2007	650
Joseph P. Daly	1/12/2007	3030
Joseph P. Daly	1/16/2007	270
Joseph P. Daly	1/17/2007	330
Joseph P. Daly	1/18/2007	475
Joseph P. Daly	1/22/2007	393
Joseph P. Daly	2/12/2007	325
Joseph P. Daly	2/12/2007	557

All purchases were effected through unsolicited brokers' transactions on the Nasdaq National Market.

- (d) RIGHT TO RECEIVE OR POWER TO DIRECT: To the knowledge of Mr. Daly, no person other than Mr. Daly has the right to receive or the power to direct the receipt of dividends from, or proceeds from the sale of, the shares of Common Stock beneficially owned by Mr. Daly.
- (e) DATE REPORTING PERSON CEASED TO BE 5% OWNER: Not applicable.

ITEM 6. CONTRACTS, ARRANGEMENTS, UNDERSTANDINGS OR RELATIONSHIPS WITH RESPECT TO SECURITIES OF THE ISSUER.

None.

ITEM 7. MATERIAL TO BE FILED AS EXHIBITS.

None.

SIGNATURES

Pr

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: February 22, 2007

/s/ Joseph P Daly

Print Name: Joseph P Daly