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FLIR SYSTEMS INC

Reported by

MUESSLE DAVID A

FORM 3

(Initial Statement of Beneficial Ownership)

Filed 11/16/10 for the Period Ending 11/08/10

Address	27700 SW PARKWAY AVENUE WILSONVILLE, OR 97070
Telephone	5034983547
CIK	0000354908
Symbol	FLIR
SIC Code	3812 - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Industry	Aerospace & Defense
Sector	Capital Goods
Fiscal Year	12/31

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FORM 3

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

OMB APPROVAL
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INITIAL STATEMENT OF 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

1. Name and Address of Reporting Person *	2. Date of Event Requiring Statement (MM/DD/YYYY)	3. Issuer Name **and** Ticker or Trading Symbol
Muessle David A	**11/8/2010**	**FLIR SYSTEMS INC [FLIR]**
(Last) (First) (Middle) **27700 SW PARKWAY AVE.**	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) _____ Director _____ 10% Owner ___ **X** ___ Officer (give title below) _____ Other (specify below) **Chief Accounting Officer /**	
(Street) **WILSONVILLE, OR 97070** (City) (State) (Zip)	5. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) _ **X** _ Form filed by One Reporting Person ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1.Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	**33588** (1)	**D**	
Common Stock	**3400**	**I**	**Daughter**

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Incentive Stock Option (right to buy)	**9/12/2003**	**9/12/2012**	**Common Stock**	**60000**	**$4.59**	**D**	
Incentive Stock Option (right to buy)	**2/4/2006**	**2/4/2015**	**Common Stock**	**19104**	**$15.70**	**D**	
Non-Qualified Stock Option (right to buy)	**2/4/2006**	**2/4/2015**	**Common Stock**	**22896**	**$15.70**	**D**	
Incentive Stock Option (right to buy)	**2/15/2009**	**2/13/2016**	**Common Stock**	**7954**	**$12.57**	**D**	

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Non-Qualified Stock Option (right to buy)	**2/15/2007**	**2/13/2016**	**Common Stock**	**35646**	**$12.57**	**D**	
Non-Qualified Stock Option (right to buy)	**2/15/2008**	**5/1/2017**	**Common Stock**	**23000**	**$20.75**	**D**	
Non-Qualified Stock Option (right to buy)	**2/15/2009**	**4/28/2018**	**Common Stock**	**11300**	**$34.31**	**D**	
Non-Qualified Stock Option (right to buy)	**2/15/2010**	**5/5/2019**	**Common Stock**	**23800**	**$25.64**	**D**	
Non-Qualified Stock Option (right to buy)	**4/27/2011**	**4/27/2020**	**Common Stock**	**10700**	**$30.27**	**D**	

Explanation of Responses:

(1) Includes 6,766 shares of unvested restricted stock units.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Muessle David A **27700 SW PARKWAY AVE.** **WILSONVILLE, OR 97070**			**Chief Accounting Officer**	

Signatures

David A. Muessle **11/16/2010**

** Signature of Reporting Person — Date

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

***** If the form is filed by more than one reporting person, *see* Instruction 5(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).

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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