FLIR SYSTEMS INC Form SC 13G/A December 10, 2012

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No.4) *

FLIR Systems, Inc. NAME OF ISSUER:

TITLE OF CLASS OF SECURITIES: Common Stock

CUSIP NUMBER: 302445101

DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT: November 30, 2012

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

> [X] 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).

CUSIP NUMBER: 302445101

- Names of Reporting Persons The Bank of New York Mellon Corporation (1)IRS Identification Nos. of Above Persons IRS No.13-2614959
- (2) Check the Appropriate Box if a Member of a Group (See Instructions) (a) () (b) ()
- SEC use only (3)

(4)	Citizenship	or	Place	of	Organ	nization			New York
Number Benefic	of Shares ially				(5)	Sole Voting	Power	5	,550,115

Owned by Each Reporting Person

With

(6) Shared Voting Power 346,210

(7) Sole Dispositive Power 7,115,969

(8) Shared Dispositive Power

(9) Aggregate Amount Beneficially Owned

by Each Reporting Person

7,167,241

687

(10) Check if the Aggregated Amount in Row (9) Excludes Certain

3			
Shares (see Instructions)			()
(11) Percent of Class Represent	ted by	y Amount in Row (9)	4.78%
(12) Type of Reporting Person	(See]	Instructions)	НС
CUSIP NUMBER: 302445101			
(1) Names of Reporting Per- IRS Identification Nos			Corporation
(2) Check the Appropriate (a) (b) ()	Box it	f a Member of a Group (See I	instructions)
(3) SEC use only			
(4) Citizenship or Place o	f Orga	anization	Delaware
Number of Shares	(5)	Sole Voting Power	4,674,770
Beneficially Owned by Each	(6)	Shared Voting Power	345,523
Reporting Person With	(7)	Sole Dispositive Power	6,324,061
	(8)	Shared Dispositive Power	0
(9) Aggregate Amount Beneficia by Each Reporting Person	ally (Dwned	6,324,061
(10) Check if the Aggregated A Shares (see Instructions)	mount	in Row (9) Excludes Certain	()
(11) Percent of Class Represen	ted by	y Amount in Row (9)	4.22%
(12) Type of Reporting Person	(See	Instructions)	НС
CUSIP NUMBER: 302445101			
(1) Names of Reporting Per- IRS Identification Nos		Mellon International Holdi Above Persons IRS N	ngs S.A.R.L. Jo.98-0611054
(2) Check the Appropriate (a) () (b) ()	Box it	f a Member of a Group (See I	nstructions)
(3) SEC use only			
(4) Citizenship or Place o	f Orga	anization	Luxembourg
Number of Shares	(5)	Sole Voting Power	4,503,832
Beneficially Owned by Each	Each (6) Shared Voting Powe		345 , 523
Reporting Person With	(7)	Sole Dispositive Power	5,512,275
	(8)	Shared Dispositive Power	0
(9) Aggregate Amount Beneficion by Each Reporting Person	ally (Dwned	5,512,275
(10) Check if the Aggregated A	mount	in Row (9) Excludes Certain	1

Shares (see Instruction	ons)	()
(11) Percent of Class Repre	esented by Amount in Row (9)	3.67%
(12) Type of Reporting Pers	son (See Instructions)	НС
CUSIP NUMBER: 302445101		
(1) Names of Reporting	Persons BNY Mellon International Ass Group Limited	set Management
IRS Identification	-	No.98-0464992
(2) Check the Appropria	ate Box if a Member of a Group (See)	Instructions)
(3) SEC use only		
(4) Citizenship or Plac	ce of Organization	London
Number of Shares	(5) Sole Voting Power	4,503,832
Beneficially Owned by Each	(6) Shared Voting Power	345,523
Reporting Person With	(7) Sole Dispositive Power	5,512,275
	(8) Shared Dispositive Power	0
(9) Aggregate Amount Bene: by Each Reporting Per:	-	5,512,275
(10) Check if the Aggregate Shares (see Instruction	ed Amount in Row (9) Excludes Certainons)	n ()
(11) Percent of Class Repre	esented by Amount in Row (9)	3.67%
(12) Type of Reporting Pers	son (See Instructions)	НС
	SCHEDULE 13G	
Item 1(a) Name of Issue:	r: FLIR Systems, Inc.	
Item 1(b) Address of Is:	suer's Principal Executive Office:	
	27700 SW Parkway Avenue Wilsonville, OR 97070 United States	
Item 2(a) Name of Person	The Bank of New York Meland any other reporting pidentified on the second cover page(s) and Exhibit	person(s) part of the
Item 2(b) Address of Pa	rincipal Business Office, or if None C/O The Bank of New York Me One Wall Street, 31st F. New York, New York 1028 (for all reporting person	llon Corporation loor 6
Item 2(c) Citizenship:	See cover page and Exhibi	t I

Item 2(d) Title of Class of Securities: Common Stock

CUSIP Number 302445101

Item 3 See Item 12 of cover page(s) ("Type of Reporting
Person ") for each reporting person.

Symbol Category

- BD = Broker or Dealer registered under Section 15 of the Securities Exchange Act of 1934
- BK = Bank as defined in Section 3(a)(6) of the Securities Exchange Act of 1934
- IV = Investment Company registered under Section 8 of the Investment Company Act of 1940
- IA = Investment Advisor registered under Section 203 of the Investment Advisors Act of 1940
- EP = Employee Benefit Plan, Pension Fund which is subject
 to the provisions of the Employee Retirement Income
 Security Act of 1974 or Endowment Fund; see
 Section 240.13 d(1)(b)(1)(ii)(F)
- HC = Parent Holding Company, in accordance with Section
 240.13-d(1)(b)(1)(ii)(G)

The amount beneficially owned includes, where appropriate, securities not outstanding which are subject to options, warrants, rights or conversion privileges that are exercisable within 60 days. The securities reported herein as beneficially owned may exclude securities of the issuer with respect to which voting and/or dispositive power is exercised by subsidiaries of The Bank of New York Mellon Corporation, or departments or units thereof, independently from the exercise of those powers over the securities reported herein. See SEC Release No. 34-39538 (January 12, 1998). The filing of this Schedule 13G shall not be construed as an admission that The Bank of New York Mellon Corporation, or its direct or indirect subsidiaries, including The Bank of New York Mellon and BNY Mellon, National Association, are for the purposes of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered by this Schedule 13G.

The following information applies if checked: () The Bank of New York Mellon and/or () The Bank of New York Mellon Trust Company, National Association is/are the trustee of the issuer's employee benefit plan (the Plan), which is subject to ERISA. The securities reported include all shares held of record by such reporting person(s) as trustee of the Plan which have not been allocated to the individual accounts of employee participants in the Plan. The reporting person, however, disclaims beneficial ownership of all shares that have been allocated to the individual accounts of employee participants in the Plan for which directions have been received and followed.

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 (X)

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

All of the securities are beneficially owned by The Bank of New York Mellon Corporation and its direct or indirect subsidiaries in their various fiduciary capacities. As a result, another entity in every instance is entitled to dividends or proceeds of sale. The number of individual accounts holding an interest of 5% or more is ()

- Item 8 Identification and Classification of Members of the Group: N/A
- Item 9 Notice of Dissolution of Group:

N/A

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having such 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. This filing is signed by The Bank of New York Mellon Corporation on behalf of all reporting entities pursuant to Rule 13d-1(k)(1) promulgated under the Securities and Exchange Act of 1934, as amended.

Date: December 10, 2012

THE BANK OF NEW YORK MELLON CORPORATION

By: /s/ NICHOLAS R. DARROW

Nicholas R. Darrow Senior Vice President Attorney-In-Fact for The Bank of New York Mellon Corporation

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EXHIBIT I

The shares reported on the attached Schedule 13G are beneficially owned by the following direct or indirect subsidiaries of The Bank of New York Mellon Corporation, as marked (X):

- (A) The Item 3 classification of each of the subsidiaries listed below is "Item 3(b) Bank as defined in Section 3(a)(6) of the Act" (15 U.S.C. 78c) or "Item 3(j)A non-U.S. institution in accordance with Rule 240.13d-1 (b)(1)(ii)(J)"
 - (X) The Bank of New York Mellon
 - () The Bank of New York Mellon Trust Company, National Association
 - (X) BNY Mellon, National Association
 - () BNY Mellon Trust of Delaware

- (B) The Item 3 classification of each of the subsidiaries listed below is "Item 3(e) An investment adviser in accordance with Section 240.13d-1 (b)(1)(ii)(E)" or "Item 3(j) A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J)"
 - () BNY Mellon ARX Investimentos Ltda (parent holding company of BNY Mellon Ativos Financeiros Ltda)
 - () The Boston Company Asset Management LLC
 - (X) The Dreyfus Corporation (parent holding company of MBSC Securities Corporation)
 - () Insight Investment Management (Global) Limited
 - (X) Lockwood Advisors, Inc.
 - (X) Mellon Capital Management Corporation
 - (X) Newton Capital Management Limited
 - (X) Newton Investment Management Limited
 - () Standish Mellon Asset Management Company LLC
 - () Urdang Securities Management, Inc.
 - () Urdang Capital Management, Inc.
 - () Walter Scott & Partners Limited
- (C) The Item 3 classification of each of the subsidiaries listed below is "Item 3(a) Broker or dealer registered under Section 15 of the Act" (15 U.S.C. 78c) or "Item 3(j) A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J)"
 - (X) MBSC Securities Corporation
 - (X) Pershing LLC
- (D) The Item 3 classification of each of the subsidiaries listed below is "Item 3(g) a parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G)"
 - (X) The Bank of New York Mellon Corporation
 - () B.N.Y. Holdings (Delaware) Corporation (parent holding company of BNY Mellon Trust of Delaware)
 - () Insight Investment Management Limited (parent holding company of Insight Investment Management (Global) Limited)
 - () MAM (MA) Holding Trust (parent holding company of Standish Mellon Asset Management Company LLC; The Boston Company Asset Management LLC)
 - (X) MBC Investments Corporation (parent holding company of Mellon Capital Management Corporation)
 - (X) Mellon International Holdings S.A.R.L. (parent holding company of BNY Mellon International Asset Management Group Limited)
 - (X) BNY Mellon International Asset Management Group Limited (parent holding company of Newton Management Limited; Walter Scott & Partners Limited)
 - () BNY Mellon Asset Management International Holdings Limited (parent holding company of BNY Mellon Asset Management Japan Limited; Mellon JV Limited)
 - () Mellon Overseas Investment Corporation (parent holding company to BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A. and (indirect) BNY Mellon Gestao de Patrimonio Ltda)
 - (X) Newton Management Limited (parent holding company of Newton Capital Management Limited; Newton Investment Management Limited)
 - (X) Pershing Group LLC (parent holding company of Lockwood Advisors, Inc. and Pershing LLC)
 - () The Bank of New York Mellon SA/NV (parent holding company of BNY Mellon Service Kapitalanlage-Gesellschaft mbH)
 - () Mellon JV Limited (parent holding company of BNY Mellon Investment Holdings (Germany) Limited)
 - () BNY Mellon Investment Holdings (Germany) Limited (parent holding

company of WestLB Mellon Asset Management Kapitalanlagegesellschaft mbH)

NOTE: ALL OF THE LEGAL ENTITIES LISTED UNDER (A), (B), (C) AND (D) ABOVE ARE DIRECT OR INDIRECT SUBSIDIARIES OF THE BANK OF NEW YORK MELLON CORPORATION. BENEFICIAL OWNERSHIP OF MORE THAN FIVE PERCENT OF THE CLASS BY ANY ONE OF THE SUBSIDIARIES OR INTERMEDIATE PARENT HOLDING COMPANIES LISTED ABOVE IS REPORTED ON A JOINT REPORTING PERSON PAGE FOR THAT SUBSIDIARY ON THE ATTACHED SCHEDULE 13G AND IS INCORPORATED IN THE TOTAL PERCENT OF CLASS REPORTED ON THE BANK OF NEW YORK MELLON CORPORATION'S REPORTING PERSON PAGE. (DO NOT ADD THE SHARES OR PERCENT OF CLASS REPORTED ON EACH JOINT REPORTING PERSON PAGE ON THE ATTACHED SCHEDULE 13G TO DETERMINE THE TOTAL PERCENT OF CLASS FOR THE BANK OF NEW YORK MELLON CORPORATION).

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that each of the undersigned (each a "Company") does hereby make, constitute and appoint each of Kenneth J. Bradle, Sri Gupta, John E. Thomas, Jr., Nicholas R. Darrow, (and any other employee of The Bank of New York Mellon Corporation, or one of its affiliates, designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney, to execute and deliver in its name and on its behalf, whether the Company is acting individually or as representative of others, any and all filings, be they written or oral, required to be made by the Company with respect to securities which may be deemed to be beneficially owned by the Company or under the Company's investment discretion under:

*the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including those filings required to be submitted on Form 13F, Schedule 13G and Form SH, and

*the laws of any jurisdiction other than the United States of America, including those filings made to disclose securities holdings as required to be submitted to regulatory agencies, exchanges and/or issuers,

giving and granting unto each said attorney-in-fact power and authority to correspond with issuers, regulatory authorities, and other entities as is required in support of the filings referenced above, and to act in the premises as fully and to all intents and purposes as the Company might or could do to comply with the applicable regulations if personally present by one of its authorized signatories (including, but not limited to, instructing local counsel on a Company's behalf), hereby ratifying and confirming all that said attorney-in-fact shall lawfully do or cause to be done by virtue hereof.

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by the Company or until such time as the person or persons to whom power of attorney has been hereby granted cease(s) to be an employee of The Bank of New York Mellon Corporation or one of its affiliates.

This Power of Attorney may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

				-
I	Banks/Bank	Holding	Companies	
				_

THE BANK OF NEW YORK MELLON BNY MELLON, NATIONAL ASSOCIATION CORPORATION By: /S/ RONALD P. O'HANLEY By: /S/ GERALD L. HASSELL _____ _____ Ronald P. O'Hanley Gerald L. Hassell Vice Chairman President Date: October 12, 2009 Date: October 12, 2009 THE BANK OF NEW YORK MELLON THE BANK OF NEW YORK MELLON By: /S/ GERALD L. HASSELL By: /S/ DONALD R. MONKS -----_____ Gerald L. Hassell Donald R. Monks President Vice Chairman Date: October 12, 2009 Date: October 12, 2009 THE BANK OF NEW YORK MELLON TRUST THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION COMPANY, NATIONAL ASSOCIATION By: /S/ KAREN A. BAYZ By: /S/ JOHN A. PARK _____ _____ Karen A. Bayz John A. Park Managing Director and Executive Vice President Chief Financial Officer Date: October 13, 2009 Date: October 9, 2009 BNY MELLON TRUST OF DELAWARE BNY MELLON TRUST OF DELAWARE By: /S/ DONALD R. MONKS By: /S/ DAVID B. KUTCH -----_____ David B. Kutch Donald R. Monks Senior Executive Vice President Chairman and Chief Executive Officer Date: October 12, 2009 Date: October 12, 2009 Investment Advisers and/or Broker-Dealers PERSHING LLC By: /S/ GARY JOHNSON _____ Gary Johnson Managing Director Date: December 10, 2010 BNY MELLON ARX INVESTIMENTOS LTDA BNY MELLON ARX INVESTIMENTOS LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA Jose Carlos Lopes Xavier De Oliveira Jose Carlos Lopes Ad. __ Chief Executive Officer Chief Financial -_ Date: January 4, 2010 Marcelo Periera da Silva

Date: January 4, 2010

Chief Financial Officer

BNY MELLON SERVICOS FINANCEIROS BNY MELLON SERVICOS FINANCEIROS BNY MELLON SERVICOS FINANCEIROS
DISTRIBUIDORA DE TITULOS E VALORES
DISTRIBUIDORA DE TITULOS E VALORES MOBILIARIOS S.A MOBILIARIOS S.A By: /S/ MARCELO PERIERA DA SILVA By: /S/ JOSE CARLOS LOPES XAVIER DE OLIVEIRA Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Chief Executive Officer Chief Financial Ot

Tanuary 4. 2010 Date: January 4, 2010 Date: January 4, 2010 BNY MELLON ARX ATIVOS FINANCEIROS BNY MELLON ARX ATIVOS FINANCEIROS LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Date: January 4, 2010 Date: January 4, 2010 BNY MELLON GESTAO DE PATRIMONIO LTDA BNY MELLON GESTAO DE PATRIMONIO LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silve Chief Financial Officer _____ _____ Marcelo Periera da Silva Chief Executive Officer Date: January 4, 2010 Date: January 4, 2010 THE BOSTON COMPANY ASSET MANAGEMENT THE BOSTON COMPANY ASSET MANAGEMENT LLC By: /S/ DAVE CAMERON By: /S/ JOSEPH P. GENNACO ______ ______ Dave Cameron Joseph P. Gennaco Executive Vice President Chairman, President and Chief Executive Officer and Chief Operating Officer Date: October 12, 2009 Date: October 12, 2009 BNY MELLON ASSET MANAGEMENT JAPAN BNY MELLON ASSET MANAGEMENT JAPAN LIMITED LIMITED By: /S/ DAVID JIANG By: /S/ SHOGO YAMAGUCHI _____ _____ Shogo Yamaguchi David Jiang President and Chairman and Representative Director Representative Director Date: December 29,2009 Date: December 29,2009

INSIGHT INVESTMENT (Global)

MANAGEMENT LIMITED

By: /s/ CHARLES FARQUHARSON

THE DREYFUS CORPORATION

By: /S/ JAMES BITETTO

James Bitetto Corporate Secretary Date: October 7, 2009

Charles Farquharson Chief Risk Officer Date: December 04, 2009

LOCKWOOD ADVISORS, INC.

By: /S/ DON MARCHESIELLO

Don Marchesiello

President

Date: October 6, 2009

MELLON CAPITAL MANAGEMENT CORPORATION

By: /S/ CHARLES J. JACKLIN _____ Charles J. Jacklin

President and CEO Date: October 8, 2009

NEWTON INVESTMENT MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS _____

Andrew Downs

Chief Operating Officer Date: November 6, 2009

STANDISH MELLON ASSET MANAGEMENT COMPANY LLC

By: /S/ DESMOND MAC INTYRE -----

Desmond Mac Intyre President and CEO Date: November 19, 2009

URDANG CAPITAL MANAGEMENT, INC.

By: /S/ RICHARD J. FERST -----

Richard J. Ferst President and Chief Operating Officer Date: October 15, 2009

URDANG SECURITIES MANAGEMENT, INC.

By: /S/ E. TODD BRIDDELL _____

E. Todd Briddell Managing Director Managing Director and Chief Investment Officer

Date: October 15, 2009

MBSC SECURITIES CORPORATION

By: /S/ KENNETH J. BRADLE

_____ Kenneth J. Bradle

President

Date: October 28, 2009

NEWTON CAPITAL MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS _____

Andrew Downs

Chief Operating Officer Date: November 6, 2009

PERSHING GROUP LLC

By: /S/ BRIAN T. SHEA ______

Brian T. Shea Managing Director Date: October 9, 2009

URDANG CAPITAL MANAGEMENT, INC.

By: /S/ E. TODD BRIDDELL _____

E. Todd Briddell Managing Director and Chief Investment Officer Date: October 15, 2009

URDANG SECURITIES MANAGEMENT, INC.

By: /S/ RICHARD J. FERST _____

> Richard J. Ferst President and

Chief Operating Office Date: October 15, 2009

WALTER SCOTT & PARTNERS LIMITED

WALTER SCOTT & PARTNERS LIMITED

By: /S/ ANNA NICHOLL

Anna Nicholl

Chief Compliance Officer

Date: October 8, 2009

By: /S/ CAROL-ANN FRASER _____

Carol-Ann Fraser

Compliance Officer Date: October 8, 2009

Parent Holding Companies/Control Persons

B.N.Y. HOLDINGS (DELAWARE) CORPORATION

By: /S/ JOHN A. PARK

John A. Park

Senior Vice President Date: October 9, 2009

BNY MELLON ASSET MANAGEMENT INTERNATIONAL HOLDINGS LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 12, 2009

BNY MELLON ASSET MANAGEMENT INTERNATIONAL HOLDINGS LIMITED

By: /S/ SHONA SPENCE

Shona Spence Director

Date: October 15, 2009

BNY MELLON INTERNATIONAL ASSET MANAGEMENT GROUP LIMITED

By: /S/ JEREMY N. BASSIL

Jeremy N. Bassil

Director

Date: October 13, 2009

MAM (MA) HOLDING TRUST

MBC INVESTMENTS CORPORATION

By: /S/ RONALD P. O'HANLEY

Ronald P. O'Hanley

President

Date: October 9, 2009

By: /S/ GORDON MOTTER

_____ Gordon Motter

Chairman, President and CEO

Date: October 9, 2009

MELLON INTERNATIONAL HOLDINGS

S.A.R.L.

By: /S/ JON LITTLE

Jon Little Manager

Date: October 9, 2009

MELLON INTERNATIONAL HOLDINGS

S.A.R.L.

By: /S/ EDWARD KEMP

Edward Kemp Director

Date: October 16, 2009

NEWTON MANAGEMENT LIMITED

NEWTON MANAGEMENT LIMITED

By: /S/ HELENA MORRISSEY

Helena Morrissey

Director

Date: October 15, 2009

MELLON OVERSEAS INVESTMENT

CORPORATION

By: /S/ JON LITTLE

Jon Little

Chairman, President And Chief Executive Officer

Date: December 04, 2009

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ FRED RICCIARDI

Fred Ricciardi President

Date: August 30, 2010

By: /S/ ANDREW DOWNS

Andrew Downs Director

Date: November 6, 2009

INSIGHT INVESTMENT MANAGEMENT

LIMITED

By: /S/ CHARLES FARQUHARSON

Charles Farquharson

Chief Risk Officer

Date: December 04, 2009

THE BANK OF NEW YORK MELLON SA/NV

By: /S/ JEAN-CHRISTOPHEMATHONET

Jean-ChristopheMathonet Managing Director

Date: October 4, 2010

Fund Administrators

BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH

By: /S/ CAROLINE SPECHT

Caroline Specht

Managing Director, Head of Business Strategy and Legal

Date: August 24, 2010

WESTLB MELLON ASSET MANAGEMENT KAPITALANLAGEGESELLSCHAFT mbH

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), the undersigned hereby agree to any and all joint filings required to be made on their behalf on Schedule 13G (including amendments thereto) under the Exchange Act, with respect to securities which may be deemed to be beneficially owned by them under the Exchange Act, and that this Agreement be included as an Exhibit to any such joint filing. This Agreement may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

Banks/Bank Ho	olding Companies
THE BANK OF NEW YORK MELLON CORPORATION	BNY MELLON, NATIONAL ASSOCIATION
By: /S/ RONALD P. O'HANLEY	By: /S/ GERALD L. HASSELL
Ronald P. O'Hanley Vice Chairman Date: October 09, 2009	Gerald L. Hassell President Date: October 12, 2009
THE BANK OF NEW YORK MELLON	THE BANK OF NEW YORK MELLON
By: /S/ GERALD L. HASSELL	By: /S/ DONALD R. MONKS
Gerald L. Hassell President Date: October 12, 2009	Donald R. Monks Vice Chairman Date: October 12, 2009
THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION	THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION
By: /S/ KAREN A. BAYZ	By: /S/ JOHN A. PARK
Karen A. Bayz Managing Director and Chief Financial Officer Date: October 13, 2009	John A. Park Executive Vice President Date: October 9, 2009
BNY MELLON TRUST OF DELAWARE	BNY MELLON TRUST OF DELAWARE
By: /S/ DAVID B. KUTCH	By: /S/ DONALD R. MONKS
David B. Kutch Chairman and Chief Executive Officer Date: October 12, 2009	Donald R. Monks Senior Executive Vice Presiden Date: October 12, 2009
Investment Advise:	rs and/or Broker-Dealers
PERSHING LLC	
By: /S/ GARY JOHNSON	
Gary Johnson Managing Director Date: December 10, 2010	
BNY MELLON ARX INVESTIMENTOS LTDA	BNY MELLON ARX INVESTIMENTOS LTDA
By: /S/ JOSE CARLOS LOPES XAVIER DE OLIVEIRA	By: /S/ MARCELO PERIERA DA SILVA

Date: January 4, 2010

Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Date: January 4, 2010

BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES

DISTRIBUIDORA DE TITULOS E VALORES

MOBILIARIOS S.A

By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA

Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer

Date: January 4, 2010

BNY MELLON ARX ATIVOS FINANCEIROS LTDA

By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA

Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer

Date: January 4, 2010

BNY MELLON GESTAO DE PATRIMONIO LTDA

By: /S/ JOSE CARLOS LOPES XAVIER DE OLIVEIRA

Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer

Date: January 4, 2010

THE BOSTON COMPANY ASSET MANAGEMENT LLC

By: /S/ DAVE CAMERON

Dave Cameron Chairman, President and

BNY MELLON ASSET MANAGEMENT JAPAN

By: /S/ SHOGO YAMAGUCHI

Date: October 12, 2009

Shogo Yamaguchi President and

Representative Director Date: December 29,2009

THE DREYFUS CORPORATION

BNY MELLON SERVICOS FINANCEIROS MOBILIARIOS S.A

Date: January 4, 2010

BNY MELLON ARX ATIVOS FINANCEIROS LTDA

Date: January 4, 2010

BNY MELLON GESTAO DE PATRIMONIO LTDA

By: /S/ MARCELO PERIERA DA SILVA

Date: January 4, 2010

THE BOSTON COMPANY ASSET MANAGEMENT LLC

By: /S/ JOSEPH P. GENNACO

Joseph P. Gennaco Executive Vice President and Chief Operating Officer

Date: October 12, 2009

BNY MELLON ASSET MANAGEMENT JAPAN LIMITED

By: /S/ DAVID JIANG

David Jiang Chairman and

Representative Director Date: December 29,2009

INSIGHT INVESTMENT (Global) MANAGEMENT LIMITED

By: /S/ JAMES BITETTO

James Bitetto Corporate Secretary

Date: October 7, 2009

LOCKWOOD ADVISORS, INC.

By: /S/ DON MARCHESIELLO _____

> Don Marchesiello President

Date: October 6, 2009

MELLON CAPITAL MANAGEMENT CORPORATION

By: /S/ CHARLES J. JACKLIN

Charles J. Jacklin President and CEO

Date: October 8, 2009

NEWTON INVESTMENT MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS

Andrew Downs

Chief Operating Officer Date: November 6, 2009

STANDISH MELLON ASSET MANAGEMENT

COMPANY LLC

By: /S/ DESMOND MAC INTYRE

Desmond Mac Intyre

President and CEO

Date: November 19, 2009

URDANG CAPITAL MANAGEMENT, INC.

By: /S/ RICHARD J. FERST

_____ Richard J. Ferst

President and Chief Operating Officer Date: October 15, 2009

URDANG SECURITIES MANAGEMENT, INC.

By: /S/ E. TODD BRIDDELL

E. Todd Briddell Managing Director By: /s/ CHARLES FARQUHARSON

Charles Farquharson Chief Risk Officer

Date: December 04, 2009

MBSC SECURITIES CORPORATION

By: /S/ KENNETH J. BRADLE _____

Kenneth J. Bradle

President

Date: October 28, 2009

NEWTON CAPITAL MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS

Andrew Downs

Chief Operating Officer

Date: November 6, 2009

PERSHING GROUP LLC

By: /S/ BRIAN T. SHEA

Brian T. Shea Managing Director

Date: October 9, 2009

URDANG CAPITAL MANAGEMENT, INC.

By: /S/ E. TODD BRIDDELL

E. Todd Briddell Managing Director and Chief Investment Officer

Date: October 15, 2009

URDANG SECURITIES MANAGEMENT, INC.

By: /S/ RICHARD J. FERST

Richard J. Ferst President and

and Chief Investment Officer Chief Operating Office Date: October 15, 2009 Date: October 15, 2009

WALTER SCOTT & PARTNERS LIMITED

WALTER SCOTT & PARTNERS LIMITED

By: /S/ ANNA NICHOLL

Anna Nicholl Chief Compliance Officer Date: October 8, 2009

______ Carol-Ann Fraser Compliance Officer

By: /S/ CAROL-ANN FRASER

Date: October 8, 2009

Parent Holding Companies/Control Persons _____

B.N.Y. HOLDINGS (DELAWARE) CORPORATION

By: /S/ JOHN A. PARK

John A. Park

Senior Vice President Date: October 9, 2009

BNY MELLON ASSET MANAGEMENT INTERNATIONAL HOLDINGS LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 12, 2009

BNY MELLON ASSET MANAGEMENT INTERNATIONAL HOLDINGS LIMITED

By: /S/ SHONA SPENCE

Shona Spence Director

Date: October 15, 2009

BNY MELLON INTERNATIONAL ASSET MANAGEMENT GROUP LIMITED

By: /S/ JEREMY N. BASSIL

Jeremy N. Bassil

Director

Date: October 13, 2009

MAM (MA) HOLDING TRUST

MBC INVESTMENTS CORPORATION

By: /S/ RONALD P. O'HANLEY

Ronald P. O'Hanley

President

Date: October 9, 2009

By: /S/ GORDON MOTTER _____

Gordon Motter

Chairman, President and CEO

Date: October 9, 2009

MELLON INTERNATIONAL HOLDINGS S.A.R.L.

By: /S/ JON LITTLE

Jon Little Manager

MELLON INTERNATIONAL HOLDINGS S.A.R.L.

By: /S/ EDWARD KEMP

Edward Kemp Director

Date: October 9, 2009 Date: October 16, 2009 NEWTON MANAGEMENT LIMITED NEWTON MANAGEMENT LIMITED By: /S/ HELENA MORRISSEY By: /S/ ANDREW DOWNS Helena Morrissey Andrew Downs Director Director Date: October 15, 2009 Date: November 6, 2009 MELLON OVERSEAS INVESTMENT INSIGHT INVESTMENT MANAGEMENT LIMITED CORPORATION By: /S/ JON LITTLE By: /S/ CHARLES FARQUHARSON _____ _____ Jon Little Charles Farquharson Chairman, President And Chief Risk Officer Chief Executive Officer Date: December 04, 2009 Date: December 04, 2009 THE BANK OF NEW YORK MELLON SA/NV BNY INTERNATIONAL FINANCING CORPORATION By: /S/ FRED RICCIARDI By: /S/ JEAN-CHRISTOPHEMATHONET _____ _____ Fred Ricciardi Jean-ChristopheMathonet President Managing Director Date: August 30, 2010 Date: October 4, 2010 ______ Fund Administrators _____ BNY MELLON SERVICE KAPITALANLAGE- WESTLB MELLON ASSET MANAGEMENT
GESELLSCHAFT mbH KAPITALANLAGEGESELLSCHAFT mbH GESELLSCHAFT mbH KAPITALANLAGEGESELLSCHAFT mbH By: /S/ CAROLINE SPECHT Caroline Specht

Managing Director, Head of Business Strategy and Legal

Date: August 24, 2010