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CENTRAL GARDEN & PET CO

Form SC 13G/A

March 12, 2007

SCHEDULE 13G

Amendment No. 3
Central Garden & Pet Company
Common Stock
Cusip #153527106

Cusip #153527106
Item 1: Reporting Person - FMR Corp.
Item 4: Delaware
Item 5: 304,503
Item 6: 0
Item 7: 4,217,947
Item 8: 0
Item 9: 4,217,947
Item 11: 19.000%
Item 12: HC

Cusip #153527106
Item 1: Reporting Person - Edward C. Johnson 3d
Item 4: United States of America
Item 5: 0
Item 6: 0
Item 7: 4,217,947
Item 8: 0
Item 9: 4,217,947
Item 11: 19.000%
Item 12: IN

SCHEDULE 13G - TO BE INCLUDED IN
STATEMENTS
FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)

Item 1(a). Name of Issuer:
Central Garden & Pet Company

Item 1(b). Name of Issuer's Principal Executive Offices:
3697 Mt. Diablo Boulevard
Lafayette, CA 94549

Item 2(a). Name of Person Filing:
FMR Corp.

Item 2(b). Address or Principal Business Office or, if None,
Residence:

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82 Devonshire Street, Boston,
Massachusetts 02109

Item 2(c). Citizenship:

Not applicable

Item 2(d). Title of Class of Securities:

Common Stock

Item 2(e). CUSIP Number:

153527106

Item 3. This statement is filed pursuant to Rule 13d-1(b) or 13d-2(b) and the person filing, FMR Corp., is a parent holding company in accordance with Section 240.13d-1(b)(ii)(G). (Note: See Item 7).

Item 4. Ownership

(a)	Amount Beneficially Owned:	4,217,947
(b)	Percent of Class:	19.000%
(c)	Number of shares as to which such person has:	
(i)	sole power to vote or to direct the vote:	304,503
(ii)	shared power to vote or to direct the vote:	0
(iii)	sole power to dispose or to direct the disposition of:	4,217,947
(iv)	shared power to dispose or to direct the disposition of:	0

Item 5. Ownership of Five Percent or Less of a Class.

Not applicable.

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

Various persons have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Common Stock of Central Garden & Pet Company. The interest of one person, Fid Balanced Equity Sub, an investment company registered under the Investment Company Act of 1940, in the Common Stock of Central Garden & Pet Company, amounted to 1,240,000 shares or 5.586% of the total outstanding Common Stock at February 28, 2007.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent

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Holding Company.

See attached Exhibit A.

Item 8. Identification and Classification of Members of the Group.

Not applicable. See attached Exhibit A.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired 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 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.

March 12, 2007

Date

/s/Stuart Fross

Signature

Stuart Fross

Duly authorized under Power of Attorney

dated July 30, 2002, by Eric D. Roiter by and on behalf of FMR Corp. and its direct and indirect subsidiaries

SCHEDULE 13G - TO BE INCLUDED IN STATEMENTS

FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)

Pursuant to the instructions in Item 7 of Schedule 13G, Fidelity Management & Research Company ("Fidelity"), 82 Devonshire Street, Boston, Massachusetts 02109, a wholly-owned subsidiary of FMR Corp. and an investment adviser registered under Section 203 of the Investment Advisers Act of 1940, is the beneficial owner of 4,120,347 shares or 18.560% of the Common Stock outstanding of Central Garden & Pet Company ("the Company") as a result of acting as investment adviser to various investment companies registered under Section 8 of the Investment Company Act of 1940.

The ownership of one investment company, Fid Balanced Equity Sub, amounted to 1,240,000 shares or 5.586% of the Common Stock outstanding. Fid Balanced

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Equity Sub has its principal business office at 82 Devonshire Street, Boston, Massachusetts 02109.

Edward C. Johnson 3d and FMR Corp., through its control of Fidelity, and the funds each has sole power to dispose of the 4,120,347 shares owned by the Funds.

Members of the family of Edward C. Johnson 3d, Chairman of FMR Corp., are the predominant owners, directly or through trusts, of Series B shares of common stock of FMR Corp., representing 49% of the voting power of FMR Corp. The Johnson family group and all other Series B shareholders have entered into a shareholders' voting agreement under which all Series B shares will be voted in accordance with the majority vote of Series B shares. Accordingly, through their ownership of voting common stock and the execution of the shareholders' voting agreement, members of the Johnson family may be deemed, under the Investment Company Act of 1940, to form a controlling group with respect to FMR Corp.

Neither FMR Corp. nor Edward C. Johnson 3d, Chairman of FMR Corp., has the sole power to vote or direct the voting of the shares owned directly by the Fidelity Funds, which power resides with the Funds' Boards of Trustees. Fidelity carries out the voting of the shares under written guidelines established by the Funds' Boards of Trustees.

Pyramis Global Advisors Trust Company ("PGATC"), 53 State Street, Boston, Massachusetts, 02109, an indirect wholly-owned subsidiary of FMR Corp. and a bank as defined in Section 3(a)(6) of the Securities Exchange Act of 1934, is the beneficial owner of 95,700 shares or 0.431% of the outstanding Common Stock of the Central Garden & Pet Company as a result of its serving as investment manager of institutional accounts owning such shares.

Edward C. Johnson 3d and FMR Corp., through its control of Pyramis Global Advisors Trust Company, each has sole dispositive power over 95,700 shares and sole power to vote or to direct the voting of 95,700 shares of Common Stock owned by the institutional accounts managed by PGATC as reported above.

Fidelity International Limited ("FIL"), Pembroke Hall, 42 Crow Lane, Hamilton, Bermuda, and various foreign-based subsidiaries provide investment advisory and management services to a number of non-U.S. investment companies and certain institutional investors. FIL, which is a qualified institution under section 240.13d-1(b)(1) pursuant to an SEC No-Action letter dated October 5, 2000, is the beneficial owner of 1,900 shares or 0.009% of the Common Stock outstanding of the Company.

Partnerships controlled predominantly by members of the family of Edward C. Johnson 3d, Chairman of FMR Corp. and FIL, or trusts for their benefit, own shares of FIL voting stock with the right to cast approximately 47% of the total votes which may be cast by all holders of FIL voting stock. FMR Corp. and FIL are separate and independent corporate entities, and their Boards of Directors are generally composed of different individuals.

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FMR Corp. and FIL are of the view that they are not acting as a "group" for purposes of Section 13(d) under the Securities Exchange Act of 1934 (the "1934" Act) and that they are not otherwise required to attribute to each other the "beneficial ownership" of securities "beneficially owned" by the other corporation within the meaning of Rule 13d-3 promulgated under the 1934 Act. Therefore, they are of the view that the shares held by the other corporation need not be aggregated for purposes of Section 13(d). However, FMR Corp. is making this filing on a voluntary basis as if all of the shares are beneficially owned by FMR Corp. and FIL on a joint basis.

SCHEDULE 13G - TO BE INCLUDED IN STATEMENTS

FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)
RULE 13d-1(f)(1) AGREEMENT

The undersigned persons, on March 12, 2007, agree and consent to the joint filing on their behalf of this Schedule 13G in connection with their beneficial ownership of the Common Stock of Central Garden & Pet Company at February 28, 2007.

FMR Corp.

By /s/ Stuart Fross
Stuart Fross

Duly authorized under Power of Attorney dated July 30, 2002, by Eric D. Roiter by and on behalf of FMR Corp. and its direct and indirect subsidiaries

Edward C. Johnson 3d

By /s/ Stuart Fross
Stuart Fross

Duly authorized under Power of Attorney dated July 30, 2002, by Eric D. Roiter by and on behalf of Edward C. Johnson 3d

Fidelity Management & Research Company

By /s/ Stuart Fross
Stuart Fross

Duly authorized under Power of Attorney dated July 30, 2002, by Eric D. Roiter Senior V.P. and General Counsel

Fid Balanced Equity Sub

By /s/ Stuart Fross
Stuart Fross

Duly authorized under Power of Attorney dated July 30, 2002, by Eric D. Roiter Secretary

o 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: November 13, 2018 THE BANK OF NEW YORK MELLON CORPORATION By: /s/ IVAN R. ARIAS ----- Ivan R. Arias Attorney-In-Fact 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 (parent holding company of Mellon Overseas Investment Corporation; BNY International Financing Corporation; The Bank of New York Mellon SA/NV) () The Bank of New York Mellon Trust Company, National Association () BNY Mellon, National Association () BNY Mellon Trust of Delaware () The Bank of New York Mellon SA/NV (parent holding company of BNY Mellon Service Kapitalanlage-Gesellschaft mbH) (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)" () ARX Investimentos Ltda (parent holding company of BNY Mellon Alocacao de Patrimonia Ltda.) () BNY Mellon Alocacao de Patrimonia Ltda () BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A.(parent holding company of BNY Mellon Administracao de Ativos Ltda.) () BNY Mellon Administracao de Ativos Ltda. (X) The Dreyfus Corporation (parent holding company of MBSC Securities Corporation) () Insight Investment Management (Global) Limited () Insight North America LLC. () Lockwood Advisors, Inc. (X) BNY Mellon Asset Management North America Corporation () Newton Investment Management (North America) Limited () Newton Investment Management Limited () Walter Scott & Partners Limited () BNY Mellon Wealth Management, Advisory Services, Inc. () BNY Mellon Trust Company(Cayman) Limited () BNY Mellon Investment Management Cayman Limited () Insight Investment International Limited () BNY Mellon Asset Management Japan 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)" () BNY Mellon Capital Markets, LLC () MBSC Securities Corporation () 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) (X) BNY Mellon IHC, LLC (as parent holding company of MBC Investments Corporation) (X) MBC Investments Corporation (parent holding company of BNY Mellon Asset Management North America Corporation; BNY Mellon Investment; Management(Jersey) Ltd.; BNY Mellon Investment Management APAC LP; The Dreyfus Corporation; ARX Investimentos Ltda. ; Mellon Global Investing Corporation) () BNY Mellon Investment Management (Jersey) Ltd. (parent holding company of BNY Mellon Investment Management (Europe) Ltd.) () BNY Mellon Investment Management (Europe) Ltd. (parent holding company of BNY Mellon Investment Management Europe Holdings Ltd.; BNY Mellon Investment Management Cayman Ltd.) () BNY Mellon Investment Management Europe Holdings Ltd. (parent holding company of BNY Mellon International Asset Management Group Limited) () BNY Mellon International Asset Management Group Limited (parent holding company of Newton Management Limited; BNY Mellon International Asset Management (Holdings) Limited; Insight Investment Management Limited) () Newton Management Limited (parent holding company of Newton Investment Management (North America) Limited; Newton Investment Management Limited) () BNY Mellon International Asset Management (Holdings) Limited (parent holding company of BNY Mellon International Asset Management (Holdings) No. 1 Limited) () BNY Mellon International Asset Management

(Holdings) No. 1 Limited (parent holding company of Walter Scott & Partners Limited) () Insight Investment Management Limited (parent holding company of Insight Investment Management (Global) Limited; Insight Investment International Limited) () BNY Mellon Investment Management APAC LP (Parent holding company of BNY Mellon Investment Management (APAC) Holdings Limited () BNY Mellon Investment Management (APAC) Holdings Limited (parent holding company of BNY Mellon Asset Management Japan Limited) () Pershing Group LLC (parent holding company of Lockwood Advisors, Inc; Pershing LLC) () Mellon Overseas Investment Corporation (parent holding company of Mellon Canada Holding Company; BNY Mellon Participacoes Ltda.) () Mellon Canada Holding Company (parent holding company of BNY Mellon Wealth Management, Advisory Services, Inc) () BNY Mellon Participacoes Ltda.(parent holding company of BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A.) () BNY International Financing Corporation (parent holding company of BNY Mellon Trust Company (Cayman) Limited) () BNY Capital Markets Holdings, Inc. (parent holding company of BNY Mellon Capital Markets, LLC) () Mellon Global Investing Corporation (parent holding company of Insight North America LLC) 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 Nicholas R. Darrow, Ivan Arias and Andrew Weiser (and any other employee of The Bank of New York Mellon Corporation, or one of its affiliates, associated with the Global Holdings Reporting Group and 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, Schedule 13D and Forms 3, 4 and 5, 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 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 to whom power of attorney has been hereby granted cease(s) to be an persons 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.

----- | Banks/Bank Holding Companies |
----- THE BANK OF NEW YORK MELLON BNY MELLON, NATIONAL ASSOCIATION CORPORATION By: /S/ MITCHELL E.HARRIS By: /S/ DONALD HEBERLE ----- Mitchell E. Harris Donald Heberle Chief Executive Officer, Chief Executive Officer Investment Management Date: March 17, 2017 Date: September 16, 2015 BNY MELLON, NATIONAL ASSOCIATION THE BANK OF NEW YORK MELLON SA/NV By: /S/ THOMAS J. DICKER By: /S/ LAURA AHTO ----- Thomas J. Dicker Laura Ahto Chief Operating Officer Chief Executive Officer Date: October 9, 2015 Date: May 17, 2016 THE BANK OF NEW YORK MELLON THE BANK OF NEW YORK MELLON By: /S/ MITCHELL E. HARRIS By: /S/ CURTIS ARLEDGE -----

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----- Mitchell E. Harris Curtis Arledge Senior Executive Vice President Vice Chairman Date: September 18, 2015 Date: August 26, 2015 THE BANK OF NEW YORK MELLON TRUST THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION COMPANY, NATIONAL ASSOCIATION By: /S/ ANTONIO PORTUONDO By: /S/ KURTIS R. KURIMSKY ----- Antonio Portuondo Kurtis R. Kurimsky President Executive Vice President Date: October 20, 2015 Date: March 8, 2016 BNY MELLON TRUST OF DELAWARE BNY MELLON TRUST OF DELAWARE By: /S/ JAMES P. AMBAGIS By: /S/ LEE JAMES WOOLLEY ----- James P. Ambagis Lee James Woolley President Chairman and Chief Executive Officer Date: October 21, 2015 Date: October 19, 2015

----- | Investment Advisers and/or Broker-Dealers |
----- PERSHING LLC BNY MELLON CAPITAL MARKETS, LLC By: /S/ CLAIRE SANTANIELLO By: /S/ JEFF GEARHART ----- Claire Santaniello Jeff Gearhart Chief Administrative Officer Chief Operating Officer and Chief Risk Officer Date: May 24, 2016 Date: October 19, 2016 ARX INVESTIMENTOS LTDA ARX INVESTIMENTOS LTDA By: /S/ CAMILA SOUZA By: /S/ GUILHERME ABRY ----- Camila Souza Guilherme Abry Director Director Date: January 4, 2016 Date: January 4, 2016 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/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA ----- Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON ADMINISTRACAO DE ATIVOS BNY MELLON ADMINISTRACAO DE ATIVOS LTDA LTDA By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA -----

----- Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON ALOCACAO DE PATRIMONIO BNY MELLON ALOCACAO DE PATRIMONIO LTDA LTDA By: /S/ GUSTAVO CASTELLO BRANCO By: /S/ CAMILA SOUZA ----- Gustavo Castello Branco Camila Souza Director Director Date: January 4, 2016 Date: January 4, 2016 THE DREYFUS CORPORATION INSIGHT INVESTMENT MANAGEMENT (GLOBAL) LIMITED By: /S/ JAMES BITETTO By: /S/ CHARLES FARQUHARSON ----- James Bitetto Charles Farquharson Secretary Chief Risk Officer Date: July 30, 2015 Date: February 16, 2016 LOCKWOOD ADVISORS, INC. BNY MELLON ASSET MANAGEMENT JAPAN LIMITED By: /S/ JOHN J. BRETT By: /S/ SHIZU KISHIMOTO ----- John J. Brett Shizu Kishimoto Chairman Representative Director and President Date: July 30, 2015 Date: August 5, 2015 BNY MELLON ASSET MANAGEMENT MBSC SECURITIES CORPORATION NORTH AMERICA CORPORATION By: /S/ JENNIFER CASSEDY By: /S/ KENNETH J. BRADLE ----- Jennifer Cassedy Kenneth J. Bradle Chief Compliance Officer President Date: February 14, 2018 Date: April 29, 2016 NEWTON INVESTMENT MANAGEMENT LIMITED NEWTON INVESTMENT MANAGEMENT (NORTH AMERICA) LIMITED By: /S/ JAMES HELBY By: /S/ JAMES HELBY ----- James Helby James Helby Director Chief Risk Officer Date: July 17, 2015 Date: June 30, 2016 WALTER SCOTT & PARTNERS LIMITED INSIGHT INVESTMENT INTERNATIONAL LIMITED By: /S/ RODGER NISBET By: /S/ LEE PALMER -----

----- Rodger Nisbet Lee Palmer Executive Chairman Chief Compliance Officer Date: July 15, 2015 Date: February 14, 2018 BNY MELLON WEALTH MANAGEMENT, BNY MELLON INVESTMENT MANAGEMENT ADVISORY SERVICES, INC. CAYMAN LTD By: /S/ MARIE-CLAUDE LEPAGE By: /S/ BRENDON J. DONNELLAN ----- Marie-Claude Lepage Brendon J. Donnellan Chief Compliance Officer Director Date: May 9, 2016 Date: August 22, 2016 BNY MELLON TRUST COMPANY BNY MELLON TRUST COMPANY (CAYMAN) LIMITED (CAYMAN) LIMITED By: CANELLA SECRETARIES By: CANELLA SECRETARIES (CAYMAN) LTD, SECRETARY (CAYMAN) LTD, SECRETARY By: /S/ GILLIAN NELSON By: /S/ PATRICIA BRUZIO ----- Gillian Nelson Patricia Bruzio Authorized Person Authorized Person Date: May 17, 2016 Date: May 17, 2016 INSIGHT NORTH AMERICA LLC By: /S/ JOHN ARIOLA ----- John Ariola Head of Financial Analysis Date: December 7, 2016

----- | Parent Holding Companies/Control Persons |
----- B.N.Y. HOLDINGS (DELAWARE) CORPORATION PERSHING GROUP LLC By: /S/ JAMES P. AMBAGIS By: /S/ CLAIRE SANTANIELLO

----- James P. Ambagis Claire Santaniello President Chief Administrative Officer and Chief Risk Officer Date: October 21, 2015 Date: May 11, 2016 BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT (APAC) HOLDINGS LIMITED (APAC) HOLDINGS LIMITED By: /S/ EMILY CHAN By: /S/ DONI SHAMSUDDIN ----- Emily Chan Doni Shamsuddin Director Director Date: April 19, 2016 Date: April 19, 2016 BNY MELLON INTERNATIONAL ASSET NEWTON MANAGEMENT LIMITED MANAGEMENT GROUP LIMITED By: /S/ GREG BRISK By: /S/ HELENA MORRISSEY ----- Greg Brisk Helena Morrissey Director Director Date: October 21, 2015 Date: July 17, 2015 BNY MELLON IHC, LLC MBC INVESTMENTS CORPORATION By: /S/ KURTIS R. KURIMSKY By: /S/ PAUL A. GRIFFITHS ----- Kurtis R. Kurimsky Paul A. Griffiths Vice President and Chairman, President and Controller Chief Executive Officer Date: March 29, 2017 Date: April 29, 2016 MELLON OVERSEAS INVESTMENT INSIGHT INVESTMENT MANAGEMENT CORPORATION LIMITED By: /S/ KURTIS R. KURIMSKY By: /S/ CHARLES FARQUHARSON ----- Kurtis R. Kurimsky Charles Farquharson Vice President and Controller Chief Risk Officer Date: October 7, 2015 Date: February 16, 2016 BNY INTERNATIONAL FINANCING BNY INTERNATIONAL FINANCING CORPORATION CORPORATION By: /S/ KURTIS R. KURIMSKY By: /S/ JOHN M. ROY ----- Kurtis R. Kurimsky John M. Roy President and Comptroller Vice President Date: May 12, 2016 Date: August 15, 2016 BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED (EUROPE)LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK ----- Greg Brisk Greg Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 BNY MELLON INVESTMENT MANAGEMENT BNY CAPITAL MARKETS HOLDINGS, INC. (JERSEY)LIMITED By: /S/ GREG BRISK By: /S/ THOMAS P. GIBBONS ----- Greg Brisk Thomas P. Gibbons Director Vice Chairman and Chief Financial Officer Date: October 21, 2015 Date: October 24, 2015 BNY MELLON INTERNATIONAL ASSET BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED MANAGEMENT (HOLDINGS) No. 1 LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK ----- Greg Brisk Greg Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 MELLON CANADA HOLDING COMPANY By: /S/ KELLY SCHWARTZ ----- Kelly Schwartz President and Director Date: May 3, 2016 BNY MELLON PARTICIPACOEES LTDA BNY MELLON PARTICIPACOEES LTDA By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA ----- Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON INVESTMENT MANAGEMENT MELLON GLOBAL INVESTING CORPORATION APAC LP By: BNY MELLON INVESTMENT MANAGEMENT HOLDINGS, LLC, GENERAL PARTNER By: /S/ PAUL A. GRIFFITHS By: /S/ LEO P. GROHOWSKI ----- Paul A. Griffiths Leo P. Grohowski President President Date: April 29, 2016 Date: June 29, 2018 ----- | Fund Administrators | ----- BNY MELLON SERVICE KAPITALANLAGE- BNY MELLON SERVICE KAPITALANLAGE- GESELLSCHAFT mbH GESELLSCHAFT mbH By: /S/ KATARINA MELVAN By: /S/ CAROLINE SPECHT ----- Katarina Melvan Caroline Specht Managing Director(Chairman) Managing Director Date: August 19, 2016 Date: August 19, 2016 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 Holding Companies | ----- THE BANK OF NEW YORK MELLON BNY MELLON, NATIONAL ASSOCIATION CORPORATION By: /S/ MITCHELL E.HARRIS By: /S/ DONALD HEBERLE ----- Mitchell E. Harris Donald Heberle Chief Executive Officer, Chief Executive Officer Investment Management Date: March 17, 2017 Date: September 16, 2015 BNY MELLON, NATIONAL ASSOCIATION THE BANK OF NEW YORK MELLON SA/NV By: /S/

THOMAS J. DICKER By: /S/ LAURA AHTO ----- Thomas J. Dicker Laura Ahto Chief Operating Officer Chief Executive Officer Date: October 9, 2015 Date: May 17, 2016 THE BANK OF NEW YORK MELLON THE BANK OF NEW YORK MELLON By: /S/ MITCHELL E. HARRIS By: /S/ CURTIS ARLEDGE ----- Mitchell E. Harris Curtis Arledge Senior Executive Vice President Vice Chairman Date: August 27, 2015 Date: August 26, 2015 THE BANK OF NEW YORK MELLON TRUST THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION COMPANY, NATIONAL ASSOCIATION By: /S/ ANTONIO PORTUONDO By: /S/ KURTIS R. KURIMSKY ----- Antonio Portuondo Kurtis R. Kurimsky President Executive Vice President Date: October 20, 2015 Date: March 8, 2016 BNY MELLON TRUST OF DELAWARE BNY MELLON TRUST OF DELAWARE By: /S/ JAMES P. AMBAGIS By: /S/ LEE JAMES WOOLLEY ----- James P. Ambagis Lee James Woolley President Chairman and Chief Executive Officer Date: October 21, 2015 Date: October 19, 2015 ----- | Investment Advisers and/or Broker-Dealers | ----- PERSHING LLC BNY MELLON CAPITAL MARKETS, LLC By: /S/ CLAIRE SANTANIELLO By: /S/ JEFF GEARHART ----- Claire Santaniello Jeff Gearhart Chief Administrative Officer Chief Operating Officer and Chief Risk Officer Date: May 24, 2016 Date: October 19, 2016 ARX INVESTIMENTOS LTDA ARX INVESTIMENTOS LTDA By: /S/ CAMILA SOUZA By: /S/ GUILHERME ABRY ----- Camila Souza Guilherme Abry Director Director Date: January 4, 2016 Date: January 4, 2016 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/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA ----- Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON ADMINISTRACAO DE ATIVOS BNY MELLON ADMINISTRACAO DE ATIVOS LTDA LTDA By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA ----- Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON ALOCACAO DE PATRIMONIO BNY MELLON ALOCACAO DE PATRIMONIO LTDA LTDA By: /S/ GUSTAVO CASTELLO BRANCO By: /S/ CAMILA SOUZA ----- Gustavo Castello Branco Camila Souza Director Director Date: January 4, 2016 Date: January 4, 2016 THE DREYFUS CORPORATION INSIGHT INVESTMENT MANAGEMENT (GLOBAL) LIMITED By: /S/ JAMES BITETTO By: /S/ CHARLES FARQUHARSON ----- James Bitetto Charles Farquharson Secretary Chief Risk Officer Date: July 30, 2015 Date: February 16, 2016 LOCKWOOD ADVISORS, INC. BNY MELLON ASSET MANAGEMENT JAPAN LIMITED By: /S/ JOHN J. BRETT By: /S/ SHIZU KISHIMOTO ----- John J. Brett Shizu Kishimoto Chairman Representative Director and President Date: July 30, 2015 Date: August 5, 2015 BNY MELLON ASSET MANAGEMENT MBSC SECURITIES CORPORATION NORTH AMERICA CORPORATION By: /S/ JENNIFER CASSEDY By: /S/ KENNETH J. BRADLE ----- Jennifer Cassedy Kenneth J. Bradle Chief Compliance Officer President Date: February 14, 2018 Date: April 29, 2016 NEWTON INVESTMENT MANAGEMENT LIMITED NEWTON INVESTMENT MANAGEMENT (NORTH AMERICA) LIMITED By: /S/ JAMES HELBY By: /S/ JAMES HELBY ----- James Helby James Helby Director Chief Risk Officer Date: July 17, 2015 Date: June 30, 2016 WALTER SCOTT & PARTNERS LIMITED INSIGHT INVESTMENT INTERNATIONAL LIMITED By: /S/ RODGER NISBET By: /S/ LEE PALMER ----- Rodger Nisbet Lee Palmer Executive Chairman Chief Compliance Officer Date: July 15, 2015 Date: February 14, 2018 BNY MELLON WEALTH MANAGEMENT, BNY MELLON INVESTMENT MANAGEMENT ADVISORY SERVICES, INC. CAYMAN LTD By: /S/ MARIE-CLAUDE LEPAGE By: /S/ BRENDON J. DONNELLAN ----- Marie-Claude Lepage Brendon J. Donnellan Chief Compliance Officer Director Date: May 9, 2016 Date: August 22, 2016 BNY MELLON TRUST COMPANY BNY MELLON TRUST COMPANY (CAYMAN) LIMITED (CAYMAN) LIMITED By: CANELLA SECRETARIES By: CANELLA SECRETARIES (CAYMAN) LTD, SECRETARY (CAYMAN) LTD, SECRETARY By: /S/ GILLIAN NELSON By: /S/ PATRICIA BRUZIO ----- Gillian Nelson Patricia Bruzio Authorized Person Authorized Person Date: May 17, 2016 Date: May 17, 2016 INSIGHT NORTH AMERICA LLC By: /S/ JOHN ARIOLA ----- John Ariola Head of Financial Analysis Date: December 7, 2016

----- | Parent Holding Companies/Control Persons |
----- B.N.Y. HOLDINGS (DELAWARE)
CORPORATION PERSHING GROUP LLC By: /S/ JAMES P. AMBAGIS By: /S/ CLAIRE SANTANIELLO
----- James P. Ambagis Claire Santaniello President Chief Administrative Officer and
Chief Risk Officer Date: October 21, 2015 Date: May 11, 2016 BNY MELLON INVESTMENT MANAGEMENT
BNY MELLON INVESTMENT MANAGEMENT (APAC) HOLDINGS LIMITED (APAC) HOLDINGS LIMITED
By: /S/ EMILY CHAN By: /S/ DONI SHAMSUDDIN ----- Emily Chan Doni
Shamsuddin Director Director Date: April 19, 2016 Date: April 19, 2016 BNY MELLON INTERNATIONAL
ASSET NEWTON MANAGEMENT LIMITED MANAGEMENT GROUP LIMITED By: /S/ GREG BRISK By: /S/
HELENA MORRISSEY ----- Greg Brisk Helena Morrissey Director Director Date:
October 21, 2015 Date: July 17, 2015 BNY MELLON IHC, LLC MBC INVESTMENTS CORPORATION By: /S/
KURTIS R. KURIMSKY By: /S/ PAUL A. GRIFFITHS ----- Kurtis R. Kurimsky Paul
A. Griffiths Vice President and Chairman, President and Controller Chief Executive Officer Date: March 29, 2017
Date: April 29, 2016 MELLON OVERSEAS INVESTMENT INSIGHT INVESTMENT MANAGEMENT
CORPORATION LIMITED By: /S/ KURTIS R. KURIMSKY By: /S/ CHARLES FARQUHARSON
----- Kurtis R. Kurimsky Charles Farquharson Vice President and Controller Chief
Risk Officer Date: October 7, 2015 Date: February 16, 2016 BNY INTERNATIONAL FINANCING BNY
INTERNATIONAL FINANCING CORPORATION CORPORATION By: /S/ KURTIS R. KURIMSKY By: /S/
JOHN M. ROY ----- Kurtis R. Kurimsky John M. Roy President and Comptroller
Vice President Date: May 12, 2016 Date: August 15, 2016 BNY MELLON INVESTMENT MANAGEMENT BNY
MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED (EUROPE)LIMITED By: /S/ GREG
BRISK By: /S/ GREG BRISK ----- Greg Brisk Greg Brisk Director Director Date:
October 21, 2015 Date: October 21, 2015 BNY MELLON INVESTMENT MANAGEMENT BNY CAPITAL
MARKETS HOLDINGS, INC. (JERSEY)LIMITED By: /S/ GREG BRISK By: /S/ THOMAS P. GIBBONS
----- Greg Brisk Thomas P. Gibbons Director Vice Chairman and Chief Financial
Officer Date: October 21, 2015 Date: October 24, 2015 BNY MELLON INTERNATIONAL ASSET BNY MELLON
INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED MANAGEMENT (HOLDINGS) No. 1
LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK ----- Greg Brisk Greg
Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 MELLON CANADA HOLDING
COMPANY By: /S/ KELLY SCHWARTZ ----- Kelly Schwartz President and Director Date: May 3,
2016 BNY MELLON PARTICIPACOES LTDA BNY MELLON PARTICIPACOES LTDA By: /S/ CARLOS
ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA -----
----- Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5,
2016 Date: May 5, 2016 BNY MELLON INVESTMENT MANAGEMENT MELLON GLOBAL INVESTING
CORPORATION APAC LP By: BNY MELLON INVESTMENT MANAGEMENT HOLDINGS, LLC, GENERAL
PARTNER By: /S/ PAUL A. GRIFFITHS By: /S/ LEO P. GROHOWSKI -----
----- Paul A. Griffiths Leo P. Grohowski President President Date: April 29, 2016 Date: June
29, 2018 ----- | Fund Administrators |
----- BNY MELLON SERVICE KAPITALANLAGE-
BNY MELLON SERVICE KAPITALANLAGE- GESELLSCHAFT mbH GESELLSCHAFT mbH By: /S/
KATARINA MELVAN By: /S/ CAROLINE SPECHT ----- Katarina Melvan
Caroline Specht Managing Director(Chairman) Managing Director Date: August 19, 2016 Date: August 19, 2016