

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4151863

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ABBOTT LABORATORIES	04/30/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOSPIRA, INC.
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<b>State/Country:</b>	ILLINOIS
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<b>Property Type</b>	<b>Number</b>
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<b>NAME OF SUBMITTER:</b>	MICHAEL R. CRABB
<b>SIGNATURE:</b>	/MRC Reg. No. 37298/
<b>DATE SIGNED:</b>	11/21/2016
<b>Total Attachments: 18</b>	
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## ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

This Assignment is made on April 30, 2004 between:

- (1) **ABBOTT LABORATORIES**, a company incorporated in the State of Illinois, United States of America, with offices at Abbott Park, Illinois, USA 60064 ("Abbott"); and
- (2) **Hospira, Inc.**, a company incorporated in the State of Delaware, United States of America, with offices at 275 North Field Drive, Lake Forest, Illinois, USA 60045 ("Hospira").

### WHEREAS:

- (A) Abbott is the owner of the Abbott Patents and the Abbott Patent Applications, as those terms are defined herein;
- (B) Abbott and Hospira wish to enter into this Assignment in order to assign the Abbott Patents and the Abbott Patent Applications from Abbott to Hospira; and
- (C) Abbott and Hospira wish to confirm their agreement as to said assignment of the Abbott Patents and the Abbott Patent Applications on the terms and conditions set forth herein.

### ABBOTT and HOSPIRA hereby agree as follows:

1. In this Assignment, the following words and expressions shall have the following meanings:
  - (A) "Abbott Patents" means the patents listed in Schedule A to this Assignment;
  - (B) "Abbott Patent Applications" means the patent applications and applications for rights of a similar nature listed in Schedule A to this Assignment; all divisionals, continuations, and continuations-in-part thereof; and all patent applications and applications for rights of a similar nature made now or in the future anywhere in the world which (i) claim priority from or common priority with the applications listed in schedule A to this Assignment; and/or (ii) are directed to the same invention disclosed in any of the patent applications listed in Schedule A.
2. For good and valuable consideration, the receipt and sufficiency of which is acknowledged by Abbott, Abbott hereby assigns to Hospira all of Abbott's right, title, and interest in and to:

- (A) the Abbott Patents;
- (B) the Abbott Patent Applications;
- (C) the inventions disclosed in such Abbott Patents and Abbott Patent Applications, including the right to apply for patents or other protection with respect to such inventions anywhere in the world;
- (D) all rights of action, powers, and benefits belonging or accrued to the same, including the right to take action and collect damages with respect to infringements occurring prior to the date hereof.

3. Abbott will, at Hospira's request and sole expense, execute all documents that are necessary for giving full effect to the terms and provisions of this Assignment, including documents that are necessary for Hospira to be recorded as the owner of the Abbott Patents and the Abbott Patent Applications. Hospira shall be solely responsible for and shall bear the registration or other official fees relating to the recordation of this Assignment of the Abbott Patents and the Abbott Patent Applications.
4. This Assignment shall be governed by and construed in accordance with the laws of the State of Illinois, United States of America.

In witness whereof, each of the parties hereto has caused this Assignment to be duly executed as of the date first above written.

**ABBOTT LABORATORIES**

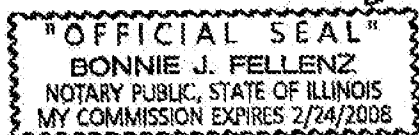
By: Honey Lynn Goldberg  
 Printed Name: HONEY LYNN GOLDBERG  
 Title: ASSISTANT SECRETARY

**HOSPIRA, INC.**

By: Brian R. Woodworth  
 Printed Name: Brian R. Woodworth  
 Title: Assistant Secretary

On this 30<sup>th</sup> day of April, 2004, before me personally appeared Honey Lynn Goldberg personally known by me to be the person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same as his/her free act and deed, on the day and year aforesaid.

Bonnie J. Feltenz



On this 30<sup>th</sup> day of April, 2004, before me personally appeared Brian R. Woodworth personally known by me to be the person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same as his/her free act and deed, on the day and year aforesaid.

Trina Lee Ruiz



SCHEDULE A

PATENT APPLICATIONS

COUNTRY	TITLE	FILING DATE	APPLICATION NO.
US	Dye Management System Including An Administration Set With An In-Line Burette	9/8/1995	525892
US	Temperature Compensation System For Regulating Flow Through Tubing In A Pump	4/3/2002	10/115311
US	Method For Compensating For Pressure Differences Across Valves In Cassette Type IV Pump	10/29/2002	10/282967
US	Use Of Dexmedetomidine For ICU Sedation	3/31/1999	09/647364
US	Syringes And Syringe Systems For Selectively Dispensing Controlled Amounts Of A Therapeutic Substance	6/1/2004	10/858102
US	Assembly For Transferring Fluid From A Flexible Container	6/9/2000	09/591003
US	Closed-Loop IV Fluid Flow Control	12/4/2003	10/727702
US	Micro Needles For Minimally Invasive Drug Delivery	1/29/2004	10/767485
US	Micro Needles For Minimally Invasive Drug Delivery	6/13/2001	09/880377
US	Medicine Delivery System	7/30/2002	10/207934
US	Micro-Fluidic Anti-Microbial Filter	1/23/2004	10/763549
US	Pump And Tube Set Thereof	3/21/2002	10/063109
US	Pump And Tube Set Thereof	3/21/2002	10/063110
US	Microparticles Having Serum As A Dispersing Agent And Process For Their Preparation And Use	9/20/2002	10/251200
US	Pharmaceutical Compositions Containing At Least One Stable Liposphere Having An Improved Shelf Life	10/25/2002	10/280221
US	Intravenous Fluid Delivery Set	10/15/2002	10/270819
US	Automatic Microbial Air Sampling System And Method	4/3/2003	10/406344
US	Hazardous Material Handling System	6/3/2003	10/453393
US	Fluid Flow Measurement Device	5/21/2003	10/442575
US	Blow Fill Sealed Container With Twist Off Top Operated By Overcap And Method Of Forming The Same	9/5/2003	10/655718
US	Fluid Delivery Device Identification And Loading System	9/22/2003	10/667611
US	Pump Tube Set Handling System	9/19/2003	10/665776
US	Pump	1/28/2004	29/198363

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PATENT APPLICATIONS

COUNTRY	TITLE	FILING DATE	APPLICATION NO.
US	Pump	2/18/2004	29/199636
US	Pump	9/23/2003	29/190578
US	Pump	3/15/2004	29/201385
US	Pump	9/24/2003	29/190631
US	Pump	9/19/2003	29/190382
US	Medical Device System	10/30/2003	10/696830
US	Medical Device System	4/13/2004	10/823220
US	Medical Infusion Pump With Closed Loop Stroke Feedback System And Method	3/26/2004	10/810123
US	Pump Cassette	2/17/2004	29/199537
US	Medication Management System	10/7/2003	60/609404
US	Medication Management System	12/5/2003	60/527583
US	Medication Management System	2/20/2004	10/783641
US	Medication Management System	2/20/2004	10/783642
US	Medication Management System	2/20/2004	10/783640
US	Medication Management System	2/20/2004	10/783649
US	Medication Management System	2/20/2004	10/783573
US	Medication Management System	2/20/2004	10/783792
US	Medication Management System	2/20/2004	10/783648
US	Infusion Pump System	11/13/2003	60/519646
US	Infusion Pump System	12/5/2003	60/527550
US	System for Maintaining Drug Information and Communicating with Medication Delivery Devices	2/20/2004	10/783877

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## PATENTS

Country	Title	Patent No.	Grant Date
US	Disposable Transducer Apparatus for an Electromanometry System	RE.33360	10/2/1990
US	Dual Compartmented Container	4614267	9/30/1986
US	High Caloric Product For IV Administration	4572907	2/25/1986
US	IV Fluid Storage and Mixing System	4608043	8/26/1986
US	Suction Drainage Apparatus	4650477	3/17/1987
US	Apparatus and Method for delivering Secondary Fluids to a Patient Using an Intravenous Administration	4685910	8/11/1987
US	Apparatus and Method for Controlling the Flow of Fluid through an Administration Set	4716896	1/12/1988
US	Container and Closure Construction	4757911	7/19/1988
US	Peritoneal Dialysis Method	4976683	12/11/1990
US	Container Cover	4703864	11/3/1987
US	Improved Flexible Container	4722727	2/2/1988
US	Drug Delivery System	4614515	9/30/1986
US	Expandable Ring Closure Device	4721215	1/26/1988
US	Method for Detection of Peritoneal Inflammation or Infection	4717652	1/5/1988
US	Ultrasonic Detector	5191795	3/9/1993
US	Ultrasonic Detector	4944191	7/31/1990
US	Ultrasonic Detector	4821558	4/18/1989
US	Disposable Fluid Infusion Pumping Chamber Cassette	4842584	6/27/1989
US	Drive Mechanism for Disposable Fluid Infusion pumping Cassette	4927411	5/22/1990
US	Drive Mechanism for Disposable Fluid Infusion Pumping Cassette	4818186	4/4/1989
US	Pressure Sensor Assembly for Disposable Pump Cassette	4950244	8/21/1990

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Country	Title	Patent No.	Grant Date
US	Container Construction with Vaned Extractor	4784259	11/15/1988
US	Container Construction with Helical Threaded Extractor	4784658	11/15/1988
US	Intravenous Pump Cassette	D-305150	12/19/1989
US	Locking Port Shroud For Peritoneal Dialysis Tubing Connector	4895570	1/23/1990
US	Method of Measuring Oxygen Concentration	5043286	8/27/1991
US	Method and Composition for Measuring Oxygen Concentration	4810655	3/7/1989
US	Syringe Pressure Calibration Reference	4815313	3/28/1989
US	Piercing Pin Transfer Device	4840621	6/20/1989
US	Spike Transfer Device	D-310881	9/25/1990
US	Ultraviolet Bulb	D-313606	1/8/1991
US	Container with Improved Ratchet Teeth	4936445	6/26/1990
US	Container Shrouds	4948000	8/14/1990
US	Encapsulated Blood Pressure Transducer	4825876	5/2/1989
US	Induction Heating of Plastic	5047605	9/10/1991
US	Fluid Pressure Monitoring and Flow control Apparatus	4947856	8/14/1990
US	Fiber Optic Physiological Probes	5127077	6/30/1992
US	Fiber Optic Physiological Probes	5000901	3/19/1991
US	Fiber Optic Physiological Probes	4925268	5/15/1990
US	Syringe, Adaptor and Check Valve Combination for Parenteral Infuser	5085643	2/4/1992
US	Regulating Peritoneal Lymphatic Drainage And Uses Therefor	5158538	10/27/1992
US	Suction Drainage Infection Control System	5185007	2/9/1993



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Country	Title	Patent No.	Grant Date
US	Suction Drainage Infection Control System	5279602	1/18/1994
US	Suction Drainage Infection Control System	5234419	8/10/1993
US	Parenteral Nutrition Product	5196198	3/23/1993
US	Apparatus and Method to Test for Valve Leakage in a Pump Assembly	5000664	3/19/1991
US	Pressure Transducer Compensation System	5259311	12/14/1993
US	Pressure Transducer Compensation System	5135002	8/4/1992
US	Infusion Fluid Management System	5317506	5/13/1994
US	Infusion Fluid Management System	5643212	7/1/1997
US	Infusion Fluid Management System	5153827	10/6/1992
US	Remotely Programmable Infusion System	5100380	3/31/1992
US	Pressure Responsive Multiple Input Infusion System	5108367	4/28/1992
US	Remotely Programmable Infusion System	RE36871	9/12/2000
US	Infusion System Having Plural Fluid Input Ports And At Least One Patient Output Port	5464392	11/7/1995
US	Pressure Responsive Multiple Input Infusion System	4828545	5/9/1989
US	Cassette for Programmable Multiple Input Infusion System	4865584	9/12/1989
US	Infusion System Having Plural Fluid Flow Lines	5304126	4/19/1994
US	Infusion System Having Plural Fluid Input Ports and At Least One Patient Output Port	4696671	9/29/1987
US	CAM Actuator Assembly for a Programmable Infusion System	4753270	6/28/1988
US	Catheter Adapter and Retainer	5078703	1/7/1992
US	Catheter Adapter and Retainer	D-327320	6/23/1992
US	Solution Pumping System Including Disposable Pump Cassette	5062774	11/5/1991

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Country	Title	Patent No.	Grant Date
US	Multiple Inlet Pump Cassette	D-331799	12/15/1992
US	Solution Compounding Apparatus	5082014	1/21/1992
US	Sensor Delivery Device	5261892	11/16/1993
US	Sensor Delivery Device	5112309	5/12/1992
US	Transfer Mechanism	5047011	9/10/1991
US	Spike Holder	5125911	6/30/1992
US	Spiral Probe for Simultaneous Electrical and Chemical Monitoring of a Fetus	4858825	4/21/1987
US	Dispensing System for Pacing Lead	5098391	3/24/1992
US	Volumetric Pump With Spring-Biased Cracking Valves	5158437	10/27/1992
US	Volumetric Pump Plunger Support And Method	5219279	6/15/1993
US	Volumetric Pump Tube Reshaper and Method	5322422	6/21/1994
US	Torque Compensated Cam Assembly And Method	5488769	2/6/1996
US	Volumetric Pump With Spring-Biased Cracking Valves	5055001	10/8/1991
US	Torque Compensated Cam Assembly And Method	5357827	10/25/1994
US	Detecting Occlusion Of Proximal Or Distal Lines Of An I.V. Pump	5116203	5/26/1992
US	Sensor for Detecting Fluid Flow From a Positive Displacement Pump	5039279	8/13/1991
US	Method For Monitoring Fluid Flow From A Volumetric Pump	5180287	1/19/1993
US	Sterile Filling System	5382406	1/17/1995
US	Clamp for Flexible Bag	4991267	2/12/1991
US	Improved Configuration Fiber Optic Blood Gas Sensor Bundle and Method of Making	5047627	9/10/1991
US	Process for Making Vancomycin	5149784	9/22/1992

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Country	Title	Patent No.	Grant Date
US	Process For Making Vancomycin	5574135	11/12/1996
US	Process For Making Vancomycin HCl	5258495	11/2/1993
US	Medical Drug Formulation And Delivery System And Reverse Osmosis Purification Device	5352364	10/4/1994
US	Peritoneal Dialysis System Using Reverse Osmosis Purification Device	5498338	3/12/1996
US	Water Purification Using Reverse Osmosis Device For Formulation Of Medical Solution	5951863	9/14/1999
US	Medical Drug Formulation And Reverse Osmosis Purification Device	5312547	5/17/1994
US	Sterile Coupling Device For Drug Container	5167816	12/1/1992
US	Apparatus For Continuously Monitoring a Plurality Of Chemical Analytes Through A Single Optical Fiber	5098659	3/24/1992
US	Improved Speed Control Circuit For A DC Motor	5664048	9/2/1997
US	Catheter Assembly With Protective Shield	5102394	4/7/1992
US	Drug Storage And Delivery System	5171214	12/15/1992
US	Drug Infusion Manifold	5190525	3/2/1993
US	Solution Pumping System With Compressible Pump Cassette	5098262	3/24/1992
US	Patency Maintenance System	5205818	4/27/1993
US	Winged Intravenous Needle Assembly	5149328	9/22/1992
US	Flexible Container With Integral Protective Cover	5364384	11/15/1994
US	Dual container System With Extractor For Stopper	5064059	11/12/1991
US	Compound Optical Sensor Employing Single Optical Waveguide	5119463	6/2/1992
US	Multi-Valve Manifold For Drug Infusion Systems	5192269	3/9/1993
US	System For Elimination Or Reducing Static Electricity In Infusion Pumping Systems	5127907	7/7/1992
US	Article For Preparing A Chemical Sensor For Use	4689308	8/25/1987

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Country	Title	Patent No.	Grant Date
US	Catheter Assembly With Reciprocable Oblurator	5201712	4/13/1993
US	Overcap For Medicament Holder	D-338956	8/31/1993
US	Medicament Holder	D-336955	6/29/1993
US	Holder And Packaging For A Hardened Medicated Matrix	5490989	2/13/1996
US	Holder And Packaging For A Hardened Medicated Matrix	5296234	3/22/1994
US	Terminal Self-Releasing Fluid Reservoir	5205821	4/27/1993
US	Catheter Adapter	D-343898	2/1/1994
US	Connection Device With Pre-Slit Seal	5961497	10/5/1999
US	System For Accommodating Withdrawal Of Liquid From A Bulk Supply	5269858	3/1/1994
US	Safety Packaging Improvements	5332399	7/26/1994
US	Automated Drug Infusion System With Autopriming	5496273	3/5/1996
US	Drug Identification And Security Apparatus For Infusion And Pumping Systems	5445621	8/29/1995
US	Thermal Drift Correction While Continuously Monitoring Cardiac Output	5261411	11/16/1993
US	Apparatus And Method For Continuously Monitoring Cardiac Output	5285796	2/15/1994
US	Apparatus And Method For Continuously Monitoring Cardiac Output	5217019	6/8/1993
US	Thermoplastic Urethane Elastomer	5458935	10/17/1995
US	Access Site For Fluid Delivery System	5279571	1/18/1994
US	Automated Drug Infusion Manifold	5217432	6/8/1993
US	Composite Membrane	5326449	7/5/1994
US	Membrane Containing Biologically Active Material	5283186	2/1/1994
US	Biosensor With A Membrane Containing Biologically Active Material	5310469	5/10/1994

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Country	Title	Patent No.	Grant Date
US	Connector-Activated In-Line Valve	5215538	6/1/1993
US	Multi-Purpose Multi-Parameter Cardiac Catheter	5435308	7/25/1995
US	Multi-Purpose Multi-Parameter Cardiac Catheter	5611338	3/18/1997
US	Multi-Purpose Multi-Parameter Cardiac Catheter	5634720	6/3/1997
US	Ambulatory Energized Container System	5738657	4/14/1998
US	Blockage Hazard Alarm In An Intravenous System	4762518	8/9/1988
US	Improved Calibration Instrument	D-342032	12/7/1993
US	Improved Display Monitor	D-345350	3/22/1994
US	Threaded Securing Apparatus For Flow Connectors	5405340	4/11/1995
US	An Improved Latching Piercing Pin For Use With Fluid Vials Of Varying Sizes	5334179	8/2/1994
US	Improved Enclosure For An Automated Drug Infusion Device	D-348101	6/21/1994
US	Automated Drug Infusion System	5547470	8/20/1996
US	Automated Drug Infusion System	5378231	1/3/1995
US	Transfer Tubing Set For Compounding Solutions	5313992	5/24/1994
US	Recirculation Through Plural Pump Cassettes For A Solution Compounding Apparatus	5306242	4/26/1994
US	Force Sensor Assembly For Pressure Measurement For Pump	5319979	6/14/1994
US	Solution Pumping For Maximizing Output While Minimizing Pumping Pressures	5415528	5/16/1995
US	Improved Cartridge For Drug Infusion Pump	5281111	1/25/1994
US	Diaphragm For Solution Pumping System	5378126	1/3/1995
US	Head For Apparatus For Filling A Container And Placing A Stopper Therein	5339595	8/23/1994
US	Method Of Detecting Occlusions In A Solution Pumping System	5292306	3/8/1994

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Country	Title	Patent No.	Grant Date
US	Method Of Testing For Leakage In A Solution Pumping System	5336053	8/9/1994
US	Dynamic Data Distribution Network	5341476	8/23/1994
US	Securing Collar For Cannula Connector	5437650	8/1/1995
US	Securable Collar For Fluid Connector	5507733	4/16/1996
US	Dye Management System Including An Administration Set With An In-Line Burette	6539248	3/25/2003
US	Dye Management System Including An Administration Set With An In-Line Burette	5334170	8/2/1994
US	Pointed Adapter For Blunt Entry Device	5470327	11/28/1995
US	Pointed Adapter For Blunt Entry Device	5580351	12/3/1996
US	Correcting Thermal Drift In Cardiac Output Determination	5363856	11/15/1994
US	Gelling Treatment For Suction Drainage System	5549585	8/27/1996
US	Solution Administration Apparatus With Orifice Flow Control Device	5409477	4/25/1995
US	Holder And Overcap Assembly For A Medicated Matrix	5419911	5/30/1995
US	Compliant Rotor For An Improved Cartridge For Drug Infusion Pump	5326236	7/5/1994
US	Reseal Member For Use With Blunt Cannulas And Method Of Formation	5403525	4/4/1995
US	Solution Container With Dual Use Access Port	5540674	7/30/1996
US	Irrigation Solution Re-Circulating System	5382229	1/17/1995
US	Display Having Redundant Segments	5559528	9/24/1996
US	Method And Apparatus For Minimizing Hydrodynamic Pressure Noise Interference With A Valve Leakage Test	5404748	4/11/1995
US	High Reliability Display	5408301	4/11/1995
US	Regulated Electroluminescent Panel Power Supply	5517089	5/14/1996
US	Method And Apparatus To Test For Valve Leakage In A Pump Assembly	5439355	8/8/1995

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PATENTS

Country	Title	Patent No.	Grant Date
US	Cassette Identification System For Use With A Multi-Program Drug Infusion Pump	5431627	7/11/1995
US	Anti-Free Flow Valve Enabling Fluid Flow As A Function Of Pressure And Selectively Opened To Enable	5396925	3/14/1995
US	Overflow Protection For Suction Drainage System	5669892	9/23/1997
US	Molded Partial Pre-Slit Reseal	5403293	4/4/1995
US	One Hand Push Button Intraflo	5740810	4/21/1998
US	Patient Controlled Analgesic Injector Assembly And Method Of Assembling Same To An Infuser Unit	5466227	11/14/1995
US	Coronary Sinus Catheter Introducer System	5488960	2/6/1996
US	Disposable Fluid Infusion Pumping Chamber Cassette Having A Push Button Flow Stop Thereon	5816779	10/6/1998
US	Disposable Fluid Infusion Pumping Chamber Cassette Having A Push Button Flow Stop Thereon	5586868	12/24/1996
US	A Dripless Cannula System Usable With A Sampling Container For Fluid Sampling And Operable To Minimi	5474546	12/12/1995
US	A Push Button Flow Stop Useable With A Disposable Infusion Pumping Chamber Cassette	5462256	10/31/1995
US	Anti-Squirting Orifice Flow Control Device	5449350	9/12/1995
US	A Stable Bleomycin Solution Suitable For Injection	5674837	10/7/1997
US	Syringe Plunger With Intermediate Pushing Surface	5460617	10/24/1995
US	System For Administration Of A Liquid Agent To A Patient With a Syringe Pump	6713875	2/3/1998
US	Process for Prefilling and Terminally Sterilizing Syringes	5597530	1/28/1997
US	Control Of A Multi-Channel Drug Infusion Pump Using A Pharmacokinetic Model	5522798	6/4/1996
US	Winged Needle Assembly With Protective Member	5498241	3/12/1996
US	Method Of Sterilizing A Pharmaceutical Composition	5603894	2/18/1997

PATENT

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SCHEDULE A

PATENTS

Country	Title	Patent No.	Grant Date
US	Valved Intravenous Fluid Line Infusion Device	5549566	8/27/1996
US	Solution Sterilization System And Method Of Operation	5498396	3/12/1996
US	Valved Intravenous Fluid Line Connector	5520666	5/28/1996
US	Catheter Insertion Device With Valve	5810835	9/22/1998
US	Tamper Evidence Feature For Sterile Port And Cap Assembly	5755712	5/26/1998
US	Medicinal Fluid Pump Having Multiple Stored Speed Protocols	5685844	11/11/1997
US	Method And Apparatus For Detecting And Compensating For A Kink In An Optic Fiber	5665976	10/15/1996
US	Infusion Pump Retraction Mechanism	5673588	10/7/1997
US	Air Bubble Sensor With Simplified Mounting Of Piezo Elements	5583280	12/10/1996
US	Method Of Fabricating A Heater Coil For A Catheter Used To Monitor Cardiac Output	5676784	10/14/1997
US	Fiber-Optic Detectors With Terpolymeric Analyte-Permeable Matrix Coating	5640470	6/17/1997
US	Syringe System Accommodating Separate Pre-filled Barrels For Two Constituents	5876372	3/2/1999
US	Syringe System Accommodating Separately Storable Container For Two Constituents	5569193	10/29/1996
US	Prefilled, Two-Constituent Syringe	5637087	6/10/1997
US	Pre-Filled Syringe Drug Delivery System	5785682	7/28/1998
US	Drug Reconstitution And Administration System	5566729	10/22/1996
US	Syringe Barrel For Lyophilization, Reconstitution And Administration	5779668	7/14/1998
US	Waste Agent Reservoir For Suction Drainage System	5543042	8/6/1996
US	Sensor For Measuring Pressures In A Cassette Pump Proximal And Distal To A Pumping Chamber	5554115	9/10/1996
US	Method And System For Using Mirrored Data To Detect Corrupt Data	5699509	12/16/1997
US	Method And Apparatus For Model-Based Control Of An Open-Loop Process	5010473	4/23/1991



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US	Locking Cap For The Pour Spout Of A Suction Container	5637104	6/10/1997
US	Luer Cap For Terminally Sterilized Syringe	5807345	9/15/1998
US	New Interface Module For Use With An NCT-Based Pumping Mechanism And NCT-Based Cassette	5718562	2/17/1998
US	Parameter Input For Drug Delivery Pump	5745378	4/28/1998
US	Device For Monitoring A Physiological Pressure	5551300	9/3/1996
US	Ambulatory IV Pump Transport Apparatus	5700257	12/23/1997
US	Sonophoretic Drug Delivery System	5656016	8/12/1997
US	Dual Plunger Cassette Pump	5718569	2/17/1998
US	Improved Method For Correcting Thermal Drift In Cardiac Output Determination	5620002	4/15/1997
US	Container Closure System	6695829	2/24/2004
US	Drug Delivery System	5685842	11/11/1997
US	Pharmaceutical Ampul	5775506	7/7/1998
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US	Container Cap Assembly Having An Enclosed Penetrator	6635043	10/21/2003
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US	A Container Closure With A Frangible Seal And A Connector For A Fluid Transfer Device	5924584	7/20/1999
US	Electrical Connector	6010371	1/4/2000
US	Pump With Anti-Free Flow Feature	6261262	7/17/2001
US	Pump With Door-Mounted Mechanism For Positioning Tubing In The Pump Housing	5868712	2/9/1999

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US	Closure System For Containers	6371319	4/16/2002
US	Snap Together Hypodermic Syringe Holder	5350367	9/27/1994
US	Hypodermic Syringe Holder For Use With Disposal Ampoules	4585445	4/29/1986
US	Safety Cannula	5531711	7/2/1996
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US	Safety Cannula	5389086	2/14/1995
US	Combined Pre-Filled Cartridge-Needle Unit And Holder	D-366698	1/30/1996
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US	System For Storing, Mixing And Administering A Drug	6267154	7/31/2001
US	Intravascular Oximetry Catheter	5995208	11/30/1999

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US	Air Bubble Sensor	6142006	11/7/2000
US	Drug Infusion Pumping Cassette Latching Mechanism	6231320	5/15/2001
US	Infusion Pump Extruded Metal Housing With Elastomeric End Caps	6305908	10/23/2001
US	Watertight Battery Compartment Cover With Latch Actuated O-Ring Seal	6007941	12/28/1999
US	Elastomeric Connector Coupling Motor To Cam Actuator Of Infusion Pump	6471436	10/29/2002
US	Sterile Formed, Filled, And Sealed Flexible Container And Draining Administration Port Therefor	6280431	8/28/2001
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US	Pharmaceutical Compositions Containing Paclitaxel	5922754	7/13/1999
US	Propofol Composition	6140373	10/31/2000
US	Propofol Composition	6140374	10/31/2000
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US	Combined Pharmaceutical Container And Cap	D-447798	9/11/2001
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US	Combined Pharmaceutical Container And Cap	D-448077	9/18/2001
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US	Prefilled Syringe Packaging	6305541	10/23/2001
US	Universal Style Coupling	6375577	4/23/2002
US	Pseudo Half-Step Motor Drive Method And Apparatus	6285155	9/4/2001
US	Method For Compensating For Pressure Differences Across Valves In Cassette Type IV Pump	6497680	12/24/2002

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US	Use Of Digital Current Ramping To Reduce Audible Noise In Stepper Motors	6208107	3/27/2001
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US	Micro-Machined Absolute Pressure Sensor	6445053	9/3/2002
US	Autopriming A Micro-Cassette While Minimizing The Formation Of Air Bubbles In A Pumping Chamber	6475178	11/6/2002
US	Drug Delivery System	6685692	2/3/2004
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US	IV Pump Cassette	4557725	12/10/1985
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