

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7255262

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY AGREEMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
ICU MEDICAL, INC.		01/06/2022
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	WELLS FARGO BANK, NATIONAL ASSOCIATION	
<b>Street Address:</b>	4101 WISEMAN BLVD. BLDG. 108	
<b>Internal Address:</b>	FLOOR 1 - MAC T7408-01V	
<b>City:</b>	SAN ANTONIO	
<b>State/Country:</b>	TEXAS	
<b>Postal Code:</b>	78251	
<b>PROPERTY NUMBERS Total: 416</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	10442575	
Application Number:	10978866	
Application Number:	10665776	
Application Number:	10667611	
Application Number:	12635897	
Application Number:	11835798	
Application Number:	10783640	
Application Number:	14841008	
Application Number:	16595293	
Application Number:	10930358	
Application Number:	10783642	
Application Number:	11591965	
Application Number:	11591970	
Application Number:	10783877	
Application Number:	13301493	
Application Number:	15435223	
Application Number:	13301518	
Application Number:	10696830	
Application Number:	12903704	

Property Type	Number
Application Number:	10823220
Application Number:	10810123
Application Number:	11510106
Application Number:	11103235
Application Number:	13107507
Application Number:	11959330
Application Number:	12627715
Application Number:	11322675
Application Number:	11692781
Application Number:	11692831
Application Number:	11692838
Application Number:	14528907
Application Number:	16266528
Application Number:	17453254
Application Number:	12882710
Application Number:	12885986
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Application Number:	12194685
Application Number:	13154674
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Application Number:	13850126
Application Number:	12336867
Application Number:	12336981
Application Number:	12337200
Application Number:	12337316
Application Number:	12337569
Application Number:	12507926
Application Number:	12337588
Application Number:	12337745
Application Number:	12337803
Application Number:	16859837
Application Number:	12337888
Application Number:	12435074
Application Number:	12468994
Application Number:	12469459

Property Type	Number
Application Number:	12842168
Application Number:	12652140
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Application Number:	12761107
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Application Number:	17238780
Application Number:	13586615
Application Number:	12862150
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Application Number:	13165490
Application Number:	13196215
Application Number:	13290254
Application Number:	13333228
Application Number:	13358609
Application Number:	13539606
Application Number:	13588049
Application Number:	13588026
Application Number:	14973236
Application Number:	16584466
Application Number:	17225911
Application Number:	13630031
Application Number:	13631339
Application Number:	13631422
Application Number:	13655690
Application Number:	15435230
Application Number:	15289483
Application Number:	13714545
Application Number:	16014960
Application Number:	13851207
Application Number:	16001680
Application Number:	16806967
Application Number:	13955121
Application Number:	16672928
Application Number:	14019745
Application Number:	14065938
Application Number:	14067083

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Application Number:	14198807
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Application Number:	17367174

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Application Number:	15164277
Application Number:	17142823
Application Number:	16091725
Application Number:	17373557
Application Number:	16301379
Application Number:	16308425
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Application Number:	15861204
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Application Number:	16848649
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Application Number:	16512201
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Application Number:	17447560
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Application Number:	16512240
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Application Number:	16512246
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Application Number:	17174813
Application Number:	16512093
Application Number:	16512193

Property Type	Number
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Application Number:	17446661
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Application Number:	17305036
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Application Number:	17114359
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Application Number:	17486418
Application Number:	63214678
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Application Number:	11417604

Property Type	Number
Application Number:	12117568
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Application Number:	13865147
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Application Number:	12892744
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Application Number:	17064350
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Application Number:	11415865
Application Number:	11415553
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Application Number:	11415969
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Application Number:	11415978
Application Number:	11415971
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Application Number:	15474772
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Application Number:	13857019
Application Number:	14137732



Property Type	Number
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Application Number:	16162286
Application Number:	12845548
Application Number:	14310942
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Application Number:	16887627
Application Number:	13937127
Application Number:	14189920
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Application Number:	16527959
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Application Number:	16141317
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Application Number:	15848368
Application Number:	15384078
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Property Type	Number
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Application Number:	16564575
Application Number:	16182503
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Application Number:	29695207
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Application Number:	17240021
Application Number:	16918896
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Application Number:	16669303
Application Number:	17021226
Application Number:	17125515
Application Number:	29691881
Application Number:	29691875
Application Number:	29691872
Application Number:	17497733
Application Number:	63228982
Application Number:	12605963

Property Type	Number
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Application Number:	13547572
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Application Number:	13752385
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Application Number:	14720378
Application Number:	14793492
Application Number:	16227651
Application Number:	13915605
Application Number:	16691242
Application Number:	16404378
Application Number:	16444486
Application Number:	16447671
Application Number:	16449180
Application Number:	16553704
Application Number:	16558921
Application Number:	17143082

#### CORRESPONDENCE DATA

**Fax Number:** (800)914-4240

**Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.**

**Phone:** 800-713-0755

**Email:** Michael.Violet@wolterskluwer.com, ECarrera@cahill.com

**Correspondent Name:** CT CORPORATION

**Address Line 1:** 4400 EASTON COMMONS WAY

**Address Line 2:** SUITE 125

**Address Line 4:** COLUMBUS, OHIO 43219

<b>NAME OF SUBMITTER:</b>	ELAINE CARRERA
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<b>SIGNATURE:</b>	/Elaine Carrera/
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<b>DATE SIGNED:</b>	03/31/2022
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#### Total Attachments: 31

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## Patent Security Agreement

This PATENT SECURITY AGREEMENT (this “Patent Security Agreement”), dated as of January 6, 2022, by ICU Medical, Inc. (the “Pledgor”), in favor of Wells Fargo Bank, National Association, in its capacity as collateral agent pursuant to the Credit Agreement (in such capacity, the “Collateral Agent”).

### WITNESSETH:

WHEREAS, the Pledgor is party to a Security Agreement of even date herewith (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”) in favor of the Collateral Agent pursuant to which the Pledgor is required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Pledgor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. The Pledgor hereby pledges and grants to the Collateral Agent for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under all the following Pledged Collateral of the Pledgor:

- (a) Patents of the Pledgor listed on Schedule I attached hereto; and
- (b) all Proceeds of any and all of the foregoing (other than Excluded Property).

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement and Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Collateral Agent shall otherwise determine.

SECTION 4. Termination. Upon the payment in full of the Secured Obligations and termination of the Security Agreement or upon the release, pursuant to Section 11.4 of the Security Agreement, of the Lien created by the Security Agreement against any of the Patents, the Collateral Agent shall execute, acknowledge, and deliver to the Pledgor an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the applicable Patents under this Patent Security Agreement.

SECTION 5. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts. Delivery of any executed counterpart of a signature page of this Patent Security Agreement by facsimile or other electronic transmission shall be effective as delivery of a manually executed counterpart of this Patent Security Agreement. The words “execute,” “execution,” “signed,” “signature,” “delivery” and words of

like import in or related to this Patent Security Agreement shall be deemed to include Electronic Signatures (as defined below), deliveries or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act. “Electronic Signatures” means any electronic symbol or process attached to, or associated with, any contract or other record and adopted by a person with the intent to sign, authenticate or accept such contract or record.

[Signature Page Follows]

IN WITNESS WHEREOF, the Pledgor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

ICU MEDICAL, INC., as Pledgor

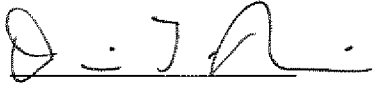
By: Brian M. Bonnell  
Name: Brian Bonnell  
Title: CFO and Treasurer



Accepted and Agreed:

WELLS FARGO BANK, NATIONAL ASSOCIATION,  
as Collateral Agent

By:

A handwritten signature in black ink, appearing to read 'D. Mullis', written over a horizontal line.

Name: Darin Mullis

Title: Managing Director

**SCHEDULE I**  
**to**  
**PATENT SECURITY AGREEMENT**  
**PATENT REGISTRATIONS AND PATENT APPLICATIONS**

**Patent Registrations and Applications :**

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	10/442575	FLUID FLOW MEASUREMENT DEVICE
ICU Medical, Inc.	10/978866	FLUID FLOW MEASUREMENT DEVICE
ICU Medical, Inc.	10/665776	PUMP TUBE SET HANDLING SYSTEM
ICU Medical, Inc.	10/667611	FLUID DELIVERY DEVICE IDENTIFICATION AND LOADING SYSTEM
ICU Medical, Inc.	12/635897	FLUID DELIVERY DEVICE IDENTIFICATION AND LOADING SYSTEM
ICU Medical, Inc.	11/835798	FLUID DELIVERY DEVICE IDENTIFICATION AND LOADING SYSTEM
ICU Medical, Inc.	10/783640	MEDICATION MANAGMENT SYSTEM
ICU Medical, Inc.	14/841008	MEDICATION MANAGMENT SYSTEM
ICU Medical, Inc.	16/595293	MEDICATION MANAGMENT SYSTEM
ICU Medical, Inc.	10/930358	MEDICATION MANAGMENT SYSTEM
ICU Medical, Inc.	10/783642	METHOD FOR ADJUSTING PUMP SCREEN BRIGHTNESS
ICU Medical, Inc.	11/591965	MEDICATION MANAGMENT SYSTEM
ICU Medical, Inc.	11/591970	MEDICATION MANAGMENT SYSTEM
ICU Medical, Inc.	10/783877	SYSTEM FOR MAINTAINING DRUG INFORMATION AND COMMUNICATING WITH MEDICATION DELIVERY DEVICES
ICU Medical, Inc.	13/301493	SYSTEM FOR MAINTAINING DRUG INFORMATION AND COMMUNICATING WITH MEDICATION DELIVERY DEVICES
ICU Medical, Inc.	15/435223	SYSTEM FOR MAINTAINING DRUG INFORMATION AND COMMUNICATING WITH MEDICATION DELIVERY DEVICES

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	13/301518	SYSTEM FOR MAINTAINING DRUG INFORMATION AND COMMUNICATING WITH MEDICATION DELIVERY DEVICES
ICU Medical, Inc.	10/696830	MEDICAL DEVICE SYSTEM
ICU Medical, Inc.	12/903704	MEDICAL DEVICE SYSTEM
ICU Medical, Inc.	10/823220	MEDICAL DEVICE SYSTEM
ICU Medical, Inc.	10/810123	MEDICAL INFUSION PUMP WITH CLOSED LOOP STROKE FEEDBACK SYSTEM AND METHOD
ICU Medical, Inc.	11/510106	SYSTEM AND METHOD FOR IMPROVED LOW FLOW MEDICAL PUMP DELIVERY
ICU Medical, Inc.	11/103235	USER INTERFACE IMPROVEMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	13/107507	USER INTERFACE IMPROVEMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	11/959330	SYSTEM FOR GUIDING A USER DURING PROGRAMMING OF A MEDICAL DEVICE
ICU Medical, Inc.	12/627715	TOUCH SCREEN SYSTEM AND NAVIGATION AND PROGRAMMING METHODS FOR AN INFUSION PUMP
ICU Medical, Inc.	11/322675	SYRINGE HOLDING SYSTEM
ICU Medical, Inc.	11/692781	MEDICATION ADMINISTRATION AND MANAGEMENT SYSTEM AND METHOD
ICU Medical, Inc.	11/692831	MEDICATION ADMINISTRATION AND MANAGEMENT SYSTEM AND METHOD
ICU Medical, Inc.	11/692838	MEDICATION ADMINISTRATION AND MANAGEMENT SYSTEM AND METHOD
ICU Medical, Inc.	14/528907	SYSTEM AND METHOD FOR COMPARING AND UTILIZING ACTIVITY INFORMATION AND CONFIGURATION INFORMATION FROM MULTIPLE DEVICE MANAGEMENT SYSTEMS

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	16/266528	SYSTEM AND METHOD FOR COMPARING AND UTILIZING ACTIVITY INFORMATION AND CONFIGURATION INFORMATION FROM MULTIPLE DEVICE MANAGEMENT SYSTEMS
ICU Medical, Inc.	17/453254	SYSTEM AND METHOD FOR COMPARING AND UTILIZING ACTIVITY INFORMATION AND CONFIGURATION INFORMATION FROM MULTIPLE DEVICE MANAGEMENT SYSTEMS
ICU Medical, Inc.	12/882710	SYSTEM AND METHOD FOR COMPARING AND UTILIZING ACTIVITY INFORMATION AND CONFIGURATION INFORMATION FROM MULTIPLE DEVICE MANAGEMENT SYSTEMS
ICU Medical, Inc.	12/885986	SYSTEM AND METHOD FOR COMPARING AND UTILIZING ACTIVITY INFORMATION AND CONFIGURATION INFORMATION FROM MULTIPLE DEVICE MANAGEMENT SYSTEMS
ICU Medical, Inc.	12/886122	SYSTEM AND METHOD FOR COMPARING AND UTILIZING ACTIVITY INFORMATION AND CONFIGURATION INFORMATION FROM MULTIPLE DEVICE MANAGEMENT SYSTEMS
ICU Medical, Inc.	12/038507	SYSTEM AND METHOD FOR SEQUENCING CHANNELS IN A MULTI-CHANNEL INFUSION PUMP
ICU Medical, Inc.	12/194685	SYSTEM AND METHOD FOR REDUCING AIR BUBBLES IN A FLUID DELIVERY LINE
ICU Medical, Inc.	13/154674	SYSTEM FOR REDUCING AIR BUBBLES IN A FLUID DELIVERY LINE
ICU Medical, Inc.	12/194819	RADIALLY SEALING VALVE FOR AN INFUSION SET
ICU Medical, Inc.	12/265470	SYSTEM AND METHOD FOR SYNCHRONIZING MEDICATION CONFIGURATION INFORMATION AMONG SYSTEMS CONTAINING MEDICATION CONFIGURATION INFORMATION

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	12/335128	DIFFERENTIAL PRESSURE BASED FLOW SENSOR ASSEMBLY FOR MEDICATION DELIVERY MONITORING AND METHOD OF USING THE SAME
ICU Medical, Inc.	13/850126	DIFFERENTIAL PRESSURE BASED FLOW SENSOR ASSEMBLY FOR MEDICATION DELIVERY MONITORING AND METHOD OF USING THE SAME
ICU Medical, Inc.	12/336867	INFUSION PUMP WITH CONFIGURABLE SCREEN SETTINGS
ICU Medical, Inc.	12/336981	INFUSION PUMP WITH CONFIGURABLE SCREEN SETTINGS
ICU Medical, Inc.	12/337200	INFUSION PUMP WITH CONFIGURABLE SCREEN SETTINGS
ICU Medical, Inc.	12/337316	INFUSION PUMP WITH CONFIGURABLE SCREEN SETTINGS
ICU Medical, Inc.	12/337569	USER INTERFACE IMPROVMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	12/507926	USER INTERFACE IMPROVMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	12/337588	USER INTERFACE IMPROVMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	12/337745	USER INTERFACE IMPROVMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	12/337803	USER INTERFACE IMPROVMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	16/859837	USER INTERFACE IMPROVMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	12/337888	USER INTERFACE IMPROVMENTS FOR MEDICAL DEVICES
ICU Medical, Inc.	12/435074	AUTOMATED POINT-OF-CARE FLUID TESTING DEVICE AND METHOD OF USING THE SAME
ICU Medical, Inc.	12/468994	CASSETTE FOR DIFFERENTIAL PRESSURE BASED MEDICATION DELIVERY FLOW SENSOR ASSEMBLY FOR MEDICATION DELIVERY MONITORING AND METHOD OF MAKING THE SAME

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	12/469459	CASSETTE FOR USE IN A MEDICATION DELIVERY FLOW SENSOR ASSEMBLY AND METHOD OF MAKING THE SAME
ICU Medical, Inc.	12/842168	CASSETTE FOR USE IN A MEDICATION DELIVERY FLOW SENSOR ASSEMBLY AND METHOD OF MAKING THE SAME
ICU Medical, Inc.	12/652140	SYSTEM AND METHOD FOR AUTHORIZED MEDICATION DELIVERY
ICU Medical, Inc.	12/469472	CASSETTE FOR DIFFERENTIAL PRESSURE BASED MEDICATION DELIVERY FLOW SENSOR ASSEMBLY FOR MEDICATION DELIVERY MONITORING AND METHOD OF MAKING THE SAME
ICU Medical, Inc.	12/707774	OCCLUSION DETECTION SYSTEM
ICU Medical, Inc.	12/761107	SYSTEM AND METHOD FOR CONFIGURING A RULE SET FOR MEDICAL EVENT MANAGMENT AND RESPONSES
ICU Medical, Inc.	15/467903	SYSTEM AND METHOD FOR CONFIGURING A RULE SET FOR MEDICAL EVENT MANAGEMENT AND RESPONSES
ICU Medical, Inc.	16/266622	SYSTEM AND METHOD FOR CONFIGURING A RULE SET FOR MEDICAL EVENT MANAGEMENT AND RESPONSES
ICU Medical, Inc.	17/238780	SYSTEM AND METHOD FOR CONFIGURING A RULE SET FOR MEDICAL EVENT MANAGEMENT AND RESPONSES
ICU Medical, Inc.	13/586615	SYSTEM AND METHOD FOR CONFIGURING A RULE SET FOR MEDICAL EVENT MANAGEMENT AND RESPONSES
ICU Medical, Inc.	12/862150	METHOD OF MONITORING AN AUTOMATED POINT-OF-CARE FLUID TESTING SYSTEM
ICU Medical, Inc.	12/970777	SYSTEMS AND METHODS FOR MANAGING AND DELIVERING PATIENT THERAPY THROUGH ELECTRONIC DRUG DELIVERY SYSTEMS

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	13/165490	FLUID FLOW RATE COMPENSATION SYSTEM USING AN INTEGRATED CONDUCTIVITY SENSOR TO MONITOR TUBING CHANGE
ICU Medical, Inc.	13/196215	METHOD OF VARYING THE FLOW RATE OF FLUID FROM A MEDICAL PUMP AND HYBRID SENSOR SYSTEM PERFORMING THE SAME
ICU Medical, Inc.	13/290254	MEDICAL IDENTIFICATION SYSTEM AND METHOD OF IDENTIFYING INDIVIDUALS, MEDICAL ITEMS, AND ASSOCIATIONS THEREBETWEEN USING SAME
ICU Medical, Inc.	13/333228	FLUID DELIVERY DEVICE IDENTIFICATION AND LOADING SYSTEM
ICU Medical, Inc.	13/358609	ULTRASONIC MONITORING DEVICE FOR MEASURING PHYSIOLOGICAL PARAMETERS OF A MAMMAL
ICU Medical, Inc.	13/539606	FLOW STOP PROTECTIVE MEANS FOR A FLUID DELIVERY DEVICE OF A MEDICAL PUMP
ICU Medical, Inc.	13/588049	PATTERN RECOGNITION SYSTEM AND METHOD FOR THE DETECTION OF STUCK FLUID DROPLETS IN A FLUID DELIVERY LINE OF AN INFUSION SYSTEM
ICU Medical, Inc.	13/588026	SYSTEMS AND METHODS FOR A GRAPHICAL INTERFACE INCLUDING A GRAPHICAL REPRESENTATION OF MEDICAL DATA
ICU Medical, Inc.	14/973236	SYSTEMS AND METHODS FOR A GRAPHICAL INTERFACE INCLUDING A GRAPHICAL REPRESENTATION OF MEDICAL DATA
ICU Medical, Inc.	16/584466	SYSTEMS AND METHODS FOR A GRAPHICAL INTERFACE INCLUDING A GRAPHICAL REPRESENTATION OF MEDICAL DATA
ICU Medical, Inc.	17/225911	SYSTEMS AND METHODS FOR A GRAPHICAL INTERFACE INCLUDING A GRAPHICAL REPRESENTATION OF MEDICAL DATA
ICU Medical, Inc.	13/630031	FROTH DETECTION SYSTEM AND METHOD

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	13/631339	INTRAVENOUS FLOW RATE CONTROLLER
ICU Medical, Inc.	13/631422	INTRAVENOUS FLOW RATE CONTROLLER
ICU Medical, Inc.	13/655690	MEDICAL DEVICE UPDATE SYSTEM
ICU Medical, Inc.	15/435230	MEDICAL DEVICE UPDATE SYSTEM
ICU Medical, Inc.	15/289483	MEDICAL DEVICE UPDATE SYSTEM
ICU Medical, Inc.	13/714545	SYSTEM FOR MONITORING AND DELIVERING MEDICATION TO A PATIENT AND METHOD OF USING THE SAME TO MINIMIZE THE RISKS ASSOCIATED WITH AUTOMATED THERAPY
ICU Medical, Inc.	16/014960	SYSTEM FOR MONITORING AND DELIVERING MEDICATION TO A PATIENT AND METHOD OF USING THE SAME TO MINIMIZE THE RISKS ASSOCIATED WITH AUTOMATED THERAPY
ICU Medical, Inc.	13/851207	AIR DETECTION SYSTEM AND METHOD FOR DETECTING AIR IN A PUMP OF AN INFUSION SYSTEM
ICU Medical, Inc.	16/001680	AIR DETECTION SYSTEM AND METHOD FOR DETECTING AIR IN A PUMP OF AN INFUSION SYSTEM
ICU Medical, Inc.	16/806967	AIR DETECTION SYSTEM AND METHOD FOR DETECTING AIR IN A PUMP OF AN INFUSION SYSTEM
ICU Medical, Inc.	13/955121	PATIENT CARE SYSTEM FOR CRITICAL MEDICATIONS
ICU Medical, Inc.	16/672928	PATIENT CARE SYSTEM FOR CRITICAL MEDICATIONS
ICU Medical, Inc.	14/019745	MEANS AND METHOD FOR DETECTING FREE FLOW IN AN INFUSION LINE
ICU Medical, Inc.	14/065938	FLUID FLOW PASSAGE TO IMPROVE AIR-IN-LINE DETECTION
ICU Medical, Inc.	14/067083	APPARATUS AND METHOD OF MITIGATING FREE FLOW IN A FLUID ADMINISTRATION SET
ICU Medical, Inc.	14/198807	MEDICAL DEVICE COMMUNICATION METHOD



OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	15/581442	MEDICAL DEVICE COMMUNICATION METHOD
ICU Medical, Inc.	16/446381	MEDICAL DEVICE COMMUNICATION METHOD
ICU Medical, Inc.	17/074268	MEDICAL DEVICE COMMUNICATION METHOD
ICU Medical, Inc.	14/285797	MULTI-SENSOR INFUSION SYSTEM FOR DETECTING AIR OR AN OCCLUSION IN THE INFUSION SYSTEM
ICU Medical, Inc.	16/039637	MULTI-SENSOR INFUSION SYSTEM FOR DETECTING AIR OR AN OCCLUSION IN THE INFUSION SYSTEM
ICU Medical, Inc.	17/135574	MULTI-SENSOR INFUSION SYSTEM FOR DETECTING AIR OR AN OCCLUSION IN THE INFUSION SYSTEM
ICU Medical, Inc.	14/289796	INFUSION SYSTEM AND METHOD OF USE WHICH PREVENTS OVER-SATURATION OF AN ANALOG-TO-DIGITAL CONVERTER
ICU Medical, Inc.	15/648975	INFUSION SYSTEM AND METHOD OF USE WHICH PREVENTS OVER-SATURATION OF AN ANALOG-TO-DIGITAL CONVERTER
ICU Medical, Inc.	16/823098	INFUSION SYSTEM AND METHOD OF USE WHICH PREVENTS OVER-SATURATION OF AN ANALOG-TO-DIGITAL CONVERTER
ICU Medical, Inc.	17/401164	INFUSION SYSTEM AND METHOD OF USE WHICH PREVENTS OVER-SATURATION OF AN ANALOG-TO-DIGITAL CONVERTER
ICU Medical, Inc.	14/289848	INFUSION SYSTEM WHICH UTILIZES ONE OR MORE SENSORS AND ADDITIONAL INFORMATION TO MAKE AN AIR DETERMINATION REGARDING THE INFUSION SYSTEM
ICU Medical, Inc.	16/233740	INFUSION SYSTEM WHICH UTILIZES ONE OR MORE SENSORS AND ADDITIONAL INFORMATION TO MAKE AN AIR DETERMINATION REGARDING THE INFUSION SYSTEM

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	16/835027	SYSTEM AND METHOD OF MONITORING AND MANAGING A REMOTE INFUSION REGIMEN
ICU Medical, Inc.	14/490450	FAIL-SAFE DRUG INFUSION THERAPY SYSTEM
ICU Medical, Inc.	15/604007	FAIL-SAFE DRUG INFUSION THERAPY SYSTEM
ICU Medical, Inc.	17/010607	FAIL-SAFE DRUG INFUSION THERAPY SYSTEM
ICU Medical, Inc.	15/592059	THERMAL MANAGEMENT SYSTEM AND METHOD FOR MEDICAL DEVICES
ICU Medical, Inc.	16/048106	THERMAL MANAGEMENT SYSTEM AND METHOD FOR MEDICAL DEVICES
ICU Medical, Inc.	14/538545	MEDICAL DEVICE SYSTEM PERFORMANCE INDEX
ICU Medical, Inc.	16/385746	MEDICAL DEVICE SYSTEM PERFORMANCE INDEX
ICU Medical, Inc.	14/547376	INFUSION PUMP AUTOMATION SYSTEM AND METHOD
ICU Medical, Inc.	16/038700	INFUSION PUMP AUTOMATION SYSTEM AND METHOD
ICU Medical, Inc.	17/345236	INFUSION PUMP AUTOMATION SYSTEM AND METHOD
ICU Medical, Inc.	14/598846	INFUSION PUMP BATTERY CAPACITY MANAGEMENT AND BATTERY CHARGE ALERT SYSTEM AND METHOD
ICU Medical, Inc.	14/633614	INFUSION SYSTEM AND METHOD WHICH UTILIZES DUAL WAVELENGTH OPTICAL AIR-IN-LINE DETECTION
ICU Medical, Inc.	16/505479	INFUSION SYSTEM AND METHOD WHICH UTILIZES DUAL WAVELENGTH OPTICAL AIR-IN-LINE DETECTION
ICU Medical, Inc.	14/700357	PATIENT CARE SYSTEM WITH CONDITIONAL ALARM FORWARDING
ICU Medical, Inc.	15/674889	PATIENT CARE SYSTEM WITH CONDITIONAL ALARM FORWARDING

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ICU Medical, Inc.	16/408272	PATIENT CARE SYSTEM WITH CONDITIONAL ALARM FORWARDING
ICU Medical, Inc.	16/846882	PATIENT CARE SYSTEM WITH CONDITIONAL ALARM FORWARDING
ICU Medical, Inc.	17/157597	PATIENT CARE SYSTEM WITH CONDITIONAL ALARM FORWARDING
ICU Medical, Inc.	14/725077	INFUSION SYSTEM AND PUMP WITH CONFIGURABLE CLOSED LOOP DELIVERY RATE CATCH-UP
ICU Medical, Inc.	14/739840	SYSTEM FOR MONITORING AND DELIVERING MEDICATION TO A PATIENT AND METHOD OF USING THE SAME TO MINIMIZE THE RISKS ASSOCIATED WITH AUTOMATED THERAPY
ICU Medical, Inc.	15/664785	SYSTEM FOR MONITORING AND DELIVERING MEDICATION TO A PATIENT AND METHOD OF USING THE SAME TO MINIMIZE THE RISKS ASSOCIATED WITH AUTOMATED THERAPY
ICU Medical, Inc.	16/435206	SYSTEM FOR MONITORING AND DELIVERING MEDICATION TO A PATIENT AND METHOD OF USING THE SAME TO MINIMIZE THE RISKS ASSOCIATED WITH AUTOMATED THERAPY
ICU Medical, Inc.	16/865087	SYSTEM FOR MONITORING AND DELIVERING MEDICATION TO A PATIENT AND METHOD OF USING THE SAME TO MINIMIZE THE RISKS ASSOCIATED WITH AUTOMATED THERAPY
ICU Medical, Inc.	17/367174	SYSTEM FOR MONITORING AND DELIVERING MEDICATION TO A PATIENT AND METHOD OF USING THE SAME TO MINIMIZE THE RISKS ASSOCIATED WITH AUTOMATED THERAPY
ICU Medical, Inc.	14/755021	INFUSION PUMP ERROR DISPLAY
ICU Medical, Inc.	14/828008	INTRAVENOUS POLE INTEGRATED POWER, CONTROL, AND COMMUNICATION SYSTEM AND METHOD FOR AN INFUSION PUMP

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	14/853198	SYSTEM AND METHOD THAT MATCHES DELAYED INFUSION AUTO-PROGRAMS WITH MANUALLY ENTERED INFUSION PROGRAMS AND ANALYZES DIFFERENCES THEREIN
ICU Medical, Inc.	16/296806	MATCHING DELAYED INFUSION AUTO-PROGRAMS WITH MANUALLY ENTERED INFUSION PROGRAMS
ICU Medical, Inc.	17/017460	MATCHING DELAYED INFUSION AUTO-PROGRAMS WITH MANUALLY ENTERED INFUSION PROGRAMS
ICU Medical, Inc.	15/511193	MATCHING DELAYED INFUSION AUTO-PROGRAMS WITH MANUALLY ENTERED INFUSION PROGRAMS
ICU Medical, Inc.	14/972585	INFUSION SYSTEM WITH CONCURRENT TPN/INSULIN INFUSION
ICU Medical, Inc.	15/057250	INFUSION SYSTEM, DEVICE, AND METHOD HAVING ADVANCED INFUSION FEATURES
ICU Medical, Inc.	17/106875	INFUSION SYSTEM, DEVICE, AND METHOD HAVING ADVANCED INFUSION FEATURES
ICU Medical, Inc.	15/164251	INFUSION PUMP SYSTEM AND METHOD WITH MULTIPLE DRUG LIBRARY EDITOR SOURCE CAPABILITY
ICU Medical, Inc.	15/164277	DISPOSABLE INFUSION FLUID DELIVERY DEVICE FOR PROGRAMMABLE LARGE VOLUME DRUG DELIVERY
ICU Medical, Inc.	17/142823	DISPOSABLE INFUSION FLUID DELIVERY DEVICE FOR PROGRAMMABLE LARGE VOLUME DRUG DELIVERY
ICU Medical, Inc.	16/091725	CONTROL OF A DRUG INFUSION DEVICE
ICU Medical, Inc.	17/373557	INFUSION PUMP SYSTEM AND METHOD WITH COMMON LINE AUTO FLUSH
ICU Medical, Inc.	16/301379	INFUSION PUMP SYSTEM AND METHOD WITH COMMON LINE AUTO FLUSH

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	16/308425	ACOUSTIC FLOW SENSOR FOR CONTINUOUS MEDICATION FLOW MEASUREMENTS AND FEEDBACK CONTROL OF INFUSION
ICU Medical, Inc.	16/317480	MULTI-COMMUNICATION PATH SELECTION AND SECURITY SYSTEM FOR A MEDICAL DEVICE
ICU Medical, Inc.	15/861204	SYNCHRONIZED DISPLAY OF SCREEN CONTENT ON NETWORKED DEVICES
ICU Medical, Inc.	16/058799	SYNCHRONIZED DISPLAY OF SCREEN CONTENT ON NETWORKED DEVICES
ICU Medical, Inc.	16/848649	SYNCHRONIZED DISPLAY OF SCREEN CONTENT ON NETWORKED DEVICES
ICU Medical, Inc.	17/302501	SYNCHRONIZED DISPLAY OF SCREEN CONTENT ON NETWORKED DEVICES
ICU Medical, Inc.	17/457324	PUMP CASSETTE WITH RADIO FREQUENCY IDENTIFICATION TAG
ICU Medical, Inc.	16/872176	SYSTEM FOR ONBOARD ELECTRONIC ENCODING OF THE CONTENTS AND ADMINISTRATION PARAMETERS OF IV CONTAINERS AND THE SECURE USE AND DISPOSAL THEREOF
ICU Medical, Inc.	16/512201	MAINTAINING CLINICAL MESSAGING DURING AN INTERNET OUTAGE
ICU Medical, Inc.	17/249164	MERGING MESSAGES INTO CACHE AND GENERATING USER INTERFACE USING THE CACHE
ICU Medical, Inc.	17/447556	DETECTING MISSING MESSAGES FROM CLINICAL ENVIRONMENT
ICU Medical, Inc.	17/447557	PASSING AUTHENTICATION TOKEN TO AUTHORIZE ACCESS TO REST CALLS VIA WEB SOCKETS
ICU Medical, Inc.	17/447560	TAGGING PUMP MESSAGES WITH IDENTIFIERS THAT FACILITATE RESTRUCTURING
ICU Medical, Inc.	16/512252	MAINTAINING CLINICAL MESSAGING DURING NETWORK INSTABILITY

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	16/512240	DETECTING MISSING MESSAGES FROM CLINICAL ENVIRONMENT
ICU Medical, Inc.	16/512254	MERGING MESSAGES INTO CACHE AND GENERATING USER INTERFACE USING THE CACHE
ICU Medical, Inc.	16/512246	CONVERTING PUMP MESSAGES IN NEW PUMP PROTOCOL TO STANDARDIZED DATASET MESSAGES
ICU Medical, Inc.	16/512224	PASSING AUTHENTICATION TOKEN TO AUTHORIZE ACCESS TO REST CALLS VIA WEB SOCKETS
ICU Medical, Inc.	16/512308	TAGGING PUMP MESSAGES WITH IDENTIFIERS THAT FACILITATE RESTRUCTURING
ICU Medical, Inc.	16/914147	TAGGING PUMP MESSAGES WITH IDENTIFIERS THAT FACILITATE RESTRUCTURING
ICU Medical, Inc.	17/174813	CONVERTING PUMP MESSAGES IN NEW PUMP PROTOCOL TO STANDARDIZED DATASET MESSAGES
ICU Medical, Inc.	16/512093	REDUCING FILE TRANSFER BETWEEN CLOUD ENVIRONMENT AND INFUSION PUMPS
ICU Medical, Inc.	16/512193	REDUCING INFUSION PUMP NETWORK CONGESTION BY STAGGERING UPDATES
ICU Medical, Inc.	16/512090	HEALTH CHECKS FOR INFUSION PUMP COMMUNICATIONS
ICU Medical, Inc.	17/068043	REDUCING INFUSION PUMP NETWORK CONGESTION BY STAGGERING UPDATES
ICU Medical, Inc.	17/446661	REDUCING FILE TRANSFER BETWEEN CLOUD ENVIRONMENT AND INFUSION PUMPS
ICU Medical, Inc.	16/512243	DRUG LIBRARY MANAGER WITH CUSTOMIZED WORKSHEETS
ICU Medical, Inc.	16/512266	DRUG LIBRARY DYNAMIC VERSION MANAGEMENT
ICU Medical, Inc.	16/908539	DRUG LIBRARY DYNAMIC VERSION MANAGEMENT
ICU Medical, Inc.	16/869404	THRESHOLD SIGNATURE BASED MEDICAL DEVICE MANAGEMENT

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	17/305035	LOCATION-BASED RECONFIGURATION OF INFUSION PUMP SETTINGS
ICU Medical, Inc.	17/305036	SERVER-INITIATED TRANSMISSION OF MESSAGES TO MEDICAL DEVICES
ICU Medical, Inc.	29/702847	INFUSION PUMP
ICU Medical, Inc.	29/819945	INFUSION PUMP
ICU Medical, Inc.	16/703756	INFUSION PUMP WITH SAFETY SEQUENCE KEYPAD
ICU Medical, Inc.	17/478788	INFUSION PUMP WITH PATIENT WEIGHT CHECK
ICU Medical, Inc.	17/114359	CONCURRENT INFUSION WITH COMMON LINE AUTO FLUSH
ICU Medical, Inc.	17/493692	CONCURRENT INFUSION WITH COMMON LINE AUTO FLUSH
ICU Medical, Inc.	17/486418	COMPOSITIONS AND DEVICES FOR CONTAINING MEDICAL FLUIDS
ICU Medical, Inc.	63/214678	INFUSION PUMP TOUCHSCREEN WITH FALSE TOUCH REJECTION
ICU Medical, Inc.	63/211905	INTRAVENOUS INFUSION PUMPS WITH SYSTEM AND PHARMACODYNAMIC MODEL ADJUSTMENT FOR DISPLAY AND OPERATION
ICU Medical, Inc.	63/208734	COMPOSITIONS FOR USE AS BARRIER MATERIALS
ICU Medical, Inc.	16/840010	SYSTEMS, METHODS, AND COMPONENTS FOR TRANSFERRING MEDICAL FLUIDS
ICU Medical, Inc.	29/811312	GRAPHICAL USER INTERFACES AND ICONS FOR PRESENTATION ON A DISPLAY SCREEN OF A MEDICAL DEVICE
ICU Medical, Inc.	63/254922	INTRAVENOUS INFUSION PUMP WITH CASSETTE INSERTION AND PUMP CONTROL USER INTERFACE
ICU Medical, Inc.	63/288491	MEDICAL FLUID COMPOUNDING SYSTEMS WITH COORDINATED FLOW CONTROL
ICU Medical, Inc.	29/815385	MEDICAL FLUID INFUSION PUMP
ICU Medical, Inc.	11/417925	METHOD OF MAKING SEAL HAVING SLIT FORMED THEREIN

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	10/444497	MEDICAL CONNECTOR AND METHOD FOR NASALLY ADMINISTERING OR REMOVING A SUBSTANCE
ICU Medical, Inc.	11/417813	MEDICAL CONNECTOR AND METHOD FOR NASALLY ADMINISTERING OR REMOVING A SUBSTANCE
ICU Medical, Inc.	11/418500	MEDICAL CONNECTOR AND METHOD FOR NASALLY ADMINISTERING OR REMOVING A SUBSTANCE
ICU Medical, Inc.	11/048399	CHECK VALVE FOR MEDICAL Y-SITE
ICU Medical, Inc.	11/415995	CHECK VALVE FOR MEDICAL Y-SITE
ICU Medical, Inc.	14/268489	MEDICAL CONNECTOR
ICU Medical, Inc.	14/939895	MEDICAL CONNECTOR
ICU Medical, Inc.	15/235683	MEDICAL CONNECTOR
ICU Medical, Inc.	15/887777	MEDICAL CONNECTOR
ICU Medical, Inc.	16/938296	MEDICAL CONNECTOR
ICU Medical, Inc.	11/417675	MEDICAL CONNECTOR HAVING HIGH FLOW RATE CHARACTERISTICS
ICU Medical, Inc.	11/482176	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	11/417604	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	12/117568	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	13/210261	MEDICAL CONNECTOR
ICU Medical, Inc.	13/865147	MEDICAL CONNECTOR
ICU Medical, Inc.	13/942604	MEDICAL CONNECTOR
ICU Medical, Inc.	14/470647	MEDICAL CONNECTOR
ICU Medical, Inc.	15/669786	MEDICAL CONNECTOR
ICU Medical, Inc.	16/543066	MEDICAL CONNECTOR
ICU Medical, Inc.	12/892744	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	13/606520	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER



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ICU Medical, Inc.	11/417836	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	12/893789	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	13/534663	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	14/329372	MEDICAL CONNECTOR WITH CLOSEABLE MALE LUER
ICU Medical, Inc.	15/091484	MEDICAL CONNECTOR WITH TRANSLATING RIGID INTERNAL VALVE MEMBER AND NARROWED PASSAGE
ICU Medical, Inc.	15/499740	MEDICAL CONNECTOR
ICU Medical, Inc.	15/789242	MEDICAL CONNECTOR
ICU Medical, Inc.	15/981653	MEDICAL CONNECTOR
ICU Medical, Inc.	17/064350	MEDICAL CONNECTOR
ICU Medical, Inc.	11/414948	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415865	VIAL FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415553	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415622	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415652	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415658	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415969	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415984	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415978	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/415971	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	12/606928	VIAL ADAPTORS AND METHODS FOR REGULATING PRESSURE
ICU Medical, Inc.	13/562180	PRESSURE-REGULATING VIAL ADAPTORS AND METHODS

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ICU Medical, Inc.	13/531335	PRESSURE-REGULATING APPARATUS FOR WITHDRAWING MEDICINAL FLUID FROM A VIAL
ICU Medical, Inc.	14/932794	DEVICES FOR TRANSFERRING MEDICINAL FLUIDS TO OR FROM A CONTAINER
ICU Medical, Inc.	14/932813	DEVICES AND METHODS FOR TRANSFERRING MEDICINAL FLUID TO OR FROM A CONTAINER
ICU Medical, Inc.	15/472042	FLUID TRANSFER APPARATUS WITH PRESSURE REGULATION
ICU Medical, Inc.	15/471988	FLUID TRANSFER APPARATUS WITH FILTERED AIR INPUT
ICU Medical, Inc.	15/474861	VIAL ACCESS DEVICES AND METHODS
ICU Medical, Inc.	15/474772	VIAL ACCESS DEVICES
ICU Medical, Inc.	15/588380	DEVICES AND METHODS FOR TRANSFERRING FLUID TO OR FROM A VIAL
ICU Medical, Inc.	15/656970	DEVICES FOR TRANSFERRING FLUID TO OR FROM A VIAL
ICU Medical, Inc.	12/698923	MEDICAL FLUID TRANSFER DEVICES AND METHODS WITH ENCLOSURES OF STERILIZED GAS
ICU Medical, Inc.	16/403206	DEVICES FOR ACCESSING MEDICINAL FLUID FROM A CONTAINER
ICU Medical, Inc.	17/388796	DEVICES FOR ACCESSING MEDICINAL FLUID FROM A CONTAINER
ICU Medical, Inc.	13/086242	PRESSURE-REGULATING VIALS AND CONTAINERS
ICU Medical, Inc.	13/250039	PRESSURE-REGULATING VIAL ADAPTORS AND METHODS
ICU Medical, Inc.	13/287041	VIAL ADAPTORS AND METHODS FOR REGULATING PRESSURE
ICU Medical, Inc.	13/249955	PRESSURE-REGULATING VIAL ADAPTORS AND METHODS
ICU Medical, Inc.	13/250585	VIAL ADAPTORS AND METHODS FOR REGULATING PRESSURE
ICU Medical, Inc.	13/397531	LOCKING VIAL ADAPTORS AND METHODS

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ICU Medical, Inc.	13/413528	AIR-FILTERING VIAL ADAPTORS AND METHODS
ICU Medical, Inc.	14/608754	DEVICES AND METHODS FOR TRANSFERRING FLUID TO OR FROM A VIAL
ICU Medical, Inc.	14/671827	PRESSURE-REGULATING VIAL ADAPTORS AND METHODS
ICU Medical, Inc.	16/001889	DEVICES FOR TRANSFERRING FLUID TO OR FROM A VIAL
ICU Medical, Inc.	16/695056	PRESSURE-REGULATING VIAL ACCESS DEVICES
ICU Medical, Inc.	11/472488	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	12/051646	VIAL ADAPTOR FOR REGULATING PRESSURE
ICU Medical, Inc.	11/924494	MEDICAL CONNECTOR
ICU Medical, Inc.	13/361499	MEDICAL CONNECTOR
ICU Medical, Inc.	13/794485	MEDICAL CONNECTOR
ICU Medical, Inc.	14/149655	MEDICAL CONNECTOR
ICU Medical, Inc.	12/044886	VIAL ADAPTORS AND VIALS FOR REGULATING PRESSURE
ICU Medical, Inc.	13/273156	ADAPTORS FOR REMOVING MEDICINAL FLUIDS FROM VIALS
ICU Medical, Inc.	14/032936	ADAPTORS FOR REMOVING MEDICINAL FLUIDS FROM A CONTAINER
ICU Medical, Inc.	12/959268	VIAL ADAPTORS AND VIALS FOR REGULATING PRESSURE
ICU Medical, Inc.	12/641283	MEDICAL CONNECTOR WITH CLOSEABLE LUER CONNECTOR
ICU Medical, Inc.	12/388430	VIAL ADAPTOR
ICU Medical, Inc.	13/100508	MEDICAL CONNECTOR WITH CLOSEABLE LUER CONNECTOR
ICU Medical, Inc.	14/177548	MEDICAL CONNECTOR WITH CLOSEABLE LUER CONNECTOR
ICU Medical, Inc.	14/920579	MEDICAL CONNECTOR WITH CLOSEABLE LUER CONNECTOR
ICU Medical, Inc.	16/102520	MEDICAL CONNECTOR WITH CLOSEABLE LUER CONNECTOR

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ICU Medical, Inc.	16/923962	MEDICAL CONNECTOR WITH CLOSEABLE LUER CONNECTOR
ICU Medical, Inc.	12/543776	ANTI-REFLUX VIAL ADAPTORS
ICU Medical, Inc.	13/852834	ANTI-REFLUX VIAL ADAPTORS
ICU Medical, Inc.	15/165761	ANTI-REFLUX VIAL ADAPTORS
ICU Medical, Inc.	12/730074	MEDICAL CONNECTOR WITH AUTOMATIC VALVE AND VOLUME REGULATOR
ICU Medical, Inc.	13/857019	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	14/137732	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	14/977550	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	15/828317	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	16/125567	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	16/412326	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	17/121226	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	29/376647	MEDICAL CONNECTOR
ICU Medical, Inc.	10/584920	VALVE ASSEMBLY
ICU Medical, Inc.	12/789255	MEDICAL MALE LUER CONNECTOR WITH INCREASED CLOSING VOLUME
ICU Medical, Inc.	13/305663	SYRINGE WITH MULTI-PRONGED ACTUATOR
ICU Medical, Inc.	14/052592	MEDICAL VALVE CONNECTOR
ICU Medical, Inc.	15/169606	MEDICAL CONNECTOR WITH INTERNAL VALVE MEMBER MOVABLE WITHIN MALE LUER PROJECTION
ICU Medical, Inc.	15/648147	MEDICAL CONNECTOR WITH INTERNAL VALVE MEMBER MOVABLE WITHIN MALE LUER PROJECTION
ICU Medical, Inc.	15/916778	MEDICAL CONNECTOR WITH INTERNAL VALVE MEMBER MOVABLE WITHIN MALE LUER PROJECTION

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ICU Medical, Inc.	16/162286	MEDICAL CONNECTOR WITH INTERNAL VALVE MEMBER MOVABLE WITHIN MALE PROJECTION
ICU Medical, Inc.	12/845548	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	14/310942	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	15/877190	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	16/423525	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	16/887627	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	13/937127	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	14/189920	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	15/366208	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	15/788726	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	15/933954	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	16/423469	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	16/887374	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	17/315997	FLUID TRANSFER DEVICES AND METHODS OF USE
ICU Medical, Inc.	14/708098	MEDICAL CONNECTOR
ICU Medical, Inc.	16/187032	MEDICAL CONNECTOR
ICU Medical, Inc.	17/007458	MEDICAL CONNECTOR
ICU Medical, Inc.	13/106781	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	14/309489	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	14/520240	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	14/961163	MEDICAL CONNECTORS AND METHODS OF USE

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ICU Medical, Inc.	15/693853	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	16/265150	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	17/383974	MEDICAL CONNECTORS AND METHODS OF USE
ICU Medical, Inc.	15/954218	HEMODYNAMIC MONITORING SYSTEM WITH DETACHABLE DISPLAY UNIT
ICU Medical, Inc.	16/273392	SEALING MEMBER
ICU Medical, Inc.	14/199836	MEDICAL CONNECTORS WITH FLUID-RESISTANT MATING INTERFACES
ICU Medical, Inc.	15/900658	AXIALLY ENGAGING MEDICAL CONNECTOR SYSTEM WITH FLUID-RESISTANT MATING INTERFACES
ICU Medical, Inc.	16/185579	AXIALLY ENGAGING MEDICAL CONNECTOR SYSTEM WITH DIMINISHED FLUID REMNANTS
ICU Medical, Inc.	16/879528	AXIALLY ENGAGING MEDICAL CONNECTOR SYSTEM THAT INHIBITS FLUID PENETRATION BETWEEN MATING SURFACES
ICU Medical, Inc.	17/508346	MEDICAL CONNECTORS WITH FLUID-RESISTANT MATING INTERFACES
ICU Medical, Inc.	14/307320	PRESSURE-REGULATING VIAL ADAPTORS AND METHODS
ICU Medical, Inc.	14/179475	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	14/789806	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	15/932248	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	16/872754	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	17/445705	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	14/195602	MEDICAL CONNECTOR
ICU Medical, Inc.	16/860438	MEDICAL CONNECTOR
ICU Medical, Inc.	15/721297	MEDICAL CONNECTOR

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ICU Medical, Inc.	14/514299	MEDICAL CABLE INCLUDING AUTHENTICATION CIRCUIT
ICU Medical, Inc.	15/179760	MEDICAL FLUID MANIFOLD
ICU Medical, Inc.	16/449124	CHECK VALVE
ICU Medical, Inc.	29/510851	FLUID MANIFOLD
ICU Medical, Inc.	29/685447	FLUID MANIFOLD
ICU Medical, Inc.	29/603008	FLUID MANIFOLD
ICU Medical, Inc.	29/510852	FLUID MANIFOLD
ICU Medical, Inc.	29/611987	FLUID MANIFOLD
ICU Medical, Inc.	14/997231	PRESSURE-REGULATING FLUID TRANSFER SYSTEMS AND METHODS
ICU Medical, Inc.	16/599063	PRESSURE-REGULATING FLUID TRANSFER SYSTEMS AND METHODS
ICU Medical, Inc.	16/527959	PRESSURE-REGULATING FLUID TRANSFER SYSTEMS AND METHODS
ICU Medical, Inc.	15/227297	SELF-PRIMING SYSTEMS AND METHODS
ICU Medical, Inc.	16/141317	SELF-PRIMING SYSTEMS AND METHODS
ICU Medical, Inc.	17/069408	SELF-PRIMING SYSTEMS AND METHODS
ICU Medical, Inc.	14/746048	METHODS AND SYSTEMS FOR FILLING IV BAGS WITH THERAPEUTIC FLUID
ICU Medical, Inc.	15/848368	METHODS AND SYSTEMS FOR FILLING IV BAGS WITH THERAPEUTIC FLUID
ICU Medical, Inc.	15/384078	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	16/223499	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	17/228990	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	16/557864	PATIENT MONITORING SYSTEM WITH GATEKEEPER SIGNAL
ICU Medical, Inc.	15/118834	PATIENT MONITORING SYSTEM WITH GATEKEEPER SIGNAL
ICU Medical, Inc.	14/488856	PRESSURE-REGULATING VIAL ADAPTORS

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ICU Medical, Inc.	15/476566	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	16/418008	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	17/149165	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	17/527818	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	14/161591	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	14/806516	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	15/707228	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	17/072967	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	15/726838	MEDICAL CONNECTORS CONFIGURED TO RECEIVE EMITTERS OF THERAPEUTIC AGENTS
ICU Medical, Inc.	16/694564	MEDICAL CONNECTORS CONFIGURED TO RECEIVE EMITTERS OF THERAPEUTIC AGENTS
ICU Medical, Inc.	16/717199	PRIMING CAP
ICU Medical, Inc.	14/806520	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	15/483446	PRESSURE-REGULATING DEVICES FOR TRANSFERRING MEDICINAL FLUID
ICU Medical, Inc.	16/415765	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	16/073715	PRESSURE-REGULATING VIAL ADAPTORS
ICU Medical, Inc.	15/991385	SYSTEMS, METHODS, AND COMPONENTS FOR TRANSFERRING MEDICAL FLUIDS
ICU Medical, Inc.	16/564575	SYSTEMS, METHODS, AND COMPONENTS FOR TRANSFERRING MEDICAL FLUIDS



OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	16/182503	SYSTEMS, METHODS, AND COMPONENTS FOR TRANSFERRING MEDICAL FLUIDS
ICU Medical, Inc.	17/484695	SYSTEMS, METHODS, AND COMPONENTS FOR TRANSFERRING MEDICAL FLUIDS
ICU Medical, Inc.	29/571547	MEDICAL FLUID TRANSFER SYSTEM
ICU Medical, Inc.	29/586575	FLUID TRANSFER DEVICE
ICU Medical, Inc.	29/674367	FLUID TRANSFER DEVICE
ICU Medical, Inc.	29/695207	MEDICAL FLUID TRANSFER SYSTEM
ICU Medical, Inc.	29/722642	MEDICAL FLUID TRANSFER SYSTEM
ICU Medical, Inc.	29/760752	MEDICAL FLUID TRANSFER SYSTEM
ICU Medical, Inc.	16/370554	PRESSURE-REGULATING VIAL ACCESS DEVICES AND METHODS
ICU Medical, Inc.	16/255710	SYSTEMS, METHODS, AND COMPONENTS FOR TRAPPING AIR BUBBLES IN MEDICAL FLUID TRANSFER MODULES AND SYSTEMS
ICU Medical, Inc.	17/240021	SYSTEMS, METHODS, AND COMPONENTS FOR TRAPPING AIR BUBBLES IN MEDICAL FLUID TRANSFER MODULES AND SYSTEMS
ICU Medical, Inc.	16/918896	SANITIZING CAPS FOR MEDICAL CONNECTORS
ICU Medical, Inc.	16/340300	SANITIZING CAPS FOR MEDICAL CONNECTORS
ICU Medical, Inc.	16/669303	MEDICAL FLUID CONNECTORS AND METHODS FOR PROVIDING ADDITIVES IN MEDICAL FLUID LINES
ICU Medical, Inc.	17/021226	SANITIZING CAPS FOR MEDICAL CONNECTORS
ICU Medical, Inc.	17/125515	SYSTEM FOR STERILIZING INTRAVENOUS CONNECTORS AND TUBING
ICU Medical, Inc.	29/691881	PORT RETENTION CLIP
ICU Medical, Inc.	29/691875	PORT RETENTION CLIP
ICU Medical, Inc.	29/691872	PORT RETENTION CLIP
ICU Medical, Inc.	17/497733	FLUID TRANSFER DEVICE AND METHOD OF USE FOR SAME
ICU Medical, Inc.	63/228982	MEDICAL CONNECTORS

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	12/605963	APPARATUS FOR DELIVERY OF DEVICE AND ANTIMICROBIAL AGENT INTO TRANS-DERMAL CATHETER
ICU Medical, Inc.	12/605966	DEVICE FOR DELIVERY OF ANTIMICROBIAL AGENT INTO TRANS-DERMAL CATHETER
ICU Medical, Inc.	13/547572	METHOD OF DELIVERING ANTIMICROBIAL TO A CATHETER
ICU Medical, Inc.	15/850351	DEVICE FOR DELIVERY OF ANTIMICROBIAL AGENT INTO TRANS-DERMAL CATHETER
ICU Medical, Inc.	13/752385	METHOD FOR DELIVERY OF ANTIMICROBIAL TO PROXIMAL END OF CATHETER
ICU Medical, Inc.	13/834755	METHOD FOR APPLYING ANTIMICROBIAL TO PROXIMAL END OF CATHETER
ICU Medical, Inc.	14/720378	METHOD FOR COATING A CATHETER WITH AN ANTIMICROBIAL AGENT
ICU Medical, Inc.	14/793492	PACKAGING CONTAINER FOR ANTIMICROBIAL CAPS
ICU Medical, Inc.	16/227651	PACKAGING CONTAINER FOR ANTIMICROBIAL CAPS
ICU Medical, Inc.	13/915605	MEDICAL DEVICE FOR APPLYING ANTIMICROBIAL TO PROXIMAL END OF CATHETER
ICU Medical, Inc.	16/691242	ANTIMICROBIAL DEVICE COMPRISING A CAP WITH RING AND INSERT
ICU Medical, Inc.	16/404378	INFUSION DEVICE WITH ANTIMICROBIAL PROPERTIES
ICU Medical, Inc.	16/444486	DEVICE FOR DELIVERING AN ANTIMICROBIAL COMPOSITION INTO AN INFUSION DEVICE
ICU Medical, Inc.	16/447671	NEEDLELESS CONNECTOR WITH ANTIMICROBIAL PROPERTIES
ICU Medical, Inc.	16/449180	TUBING SET WITH ANTIMICROBIAL PROPERTIES
ICU Medical, Inc.	16/553704	PERITONEAL DIALYSIS TRANSFER SET WITH ANTIMICROBIAL PROPERTIES

OWNER	APPLICATION NUMBER	NAME
ICU Medical, Inc.	16/558921	SYRINGE WITH ANTIMICROBIAL PROPERTIES
ICU Medical, Inc.	17/143082	ANTIMICROBIAL CAP FOR LUER CONNECTOR