

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8155285

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY AGREEMENT SUPPLEMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
INSULET CORPORATION		06/09/2023
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	MORGAN STANLEY SENIOR FUNDING, INC., AS COLLATERAL AGENT	
<b>Street Address:</b>	1300 THAMES STREET, 4TH FLOOR, THAMES STREET WHARF	
<b>City:</b>	BALTIMORE	
<b>State/Country:</b>	MARYLAND	
<b>Postal Code:</b>	21231	
<b>PROPERTY NUMBERS Total: 319</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	11517658	
Patent Number:	11565043	
Patent Number:	11633541	
Patent Number:	11565039	
Patent Number:	11628251	
Patent Number:	11596740	
Patent Number:	D977502	
Application Number:	63385653	
Application Number:	63434243	
Application Number:	63476076	
Application Number:	63434238	
Application Number:	63476069	
Application Number:	63476077	
Application Number:	63476221	
Application Number:	63386249	
Application Number:	18159353	
Application Number:	18160724	
Application Number:	18190678	
Application Number:	18151582	
Application Number:	18321308	

PATENT

Property Type	Number
Application Number:	18171339
Application Number:	18186539
Application Number:	29869503
Application Number:	18316703
Application Number:	18157394
Application Number:	18164669
Application Number:	18149996
Application Number:	18156497
Application Number:	18157400
Application Number:	18119062
Application Number:	18119059
Application Number:	18190572
Application Number:	18176969
Application Number:	18164708
Application Number:	18160409
Application Number:	18306061
Application Number:	18155215
Application Number:	18323538
Application Number:	18199476
Application Number:	18306041
Application Number:	18313767
Application Number:	18192380
Application Number:	18137179
Application Number:	18137183
Application Number:	18137186
Application Number:	18300201
Application Number:	63492564
Application Number:	18160429
Application Number:	63494407
Application Number:	63501828
Application Number:	63489249
Application Number:	63489864
Application Number:	63478842
Application Number:	63494372
Application Number:	63501908
Application Number:	18199638
Application Number:	18199641
Application Number:	63484626

Property Type	Number
Patent Number:	8105279
Patent Number:	8475408
Patent Number:	8057436
Patent Number:	7935076
Patent Number:	7875022
Patent Number:	7959598
Patent Number:	8109921
Patent Number:	D669165
Patent Number:	8372039
Patent Number:	8430847
Patent Number:	8679060
Patent Number:	8282626
Patent Number:	8328754
Patent Number:	8221385
Patent Number:	9205192
Patent Number:	9078963
Patent Number:	9314566
Patent Number:	8622990
Patent Number:	9446186
Patent Number:	9561324
Patent Number:	10569015
Patent Number:	8894628
Application Number:	14254684
Patent Number:	9295777
Patent Number:	9259529
Patent Number:	9254362
Patent Number:	9878097
Patent Number:	10188793
Patent Number:	9968729
Patent Number:	10456090
Application Number:	14987004
Patent Number:	10449294
Patent Number:	10376634
Patent Number:	10661007
Patent Number:	10117993
Patent Number:	D836769
Patent Number:	10207047
Patent Number:	10987468

Property Type	Number
Patent Number:	10275573
Patent Number:	10610643
Patent Number:	10835671
Patent Number:	10806859
Patent Number:	10307538
Patent Number:	10780223
Application Number:	29600766
Application Number:	15601282
Patent Number:	D839294
Patent Number:	D863343
Application Number:	29619222
Patent Number:	10603433
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Patent Number:	11033682
Patent Number:	10610644
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Patent Number:	10583250
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Patent Number:	10758675
Patent Number:	10881792
Patent Number:	11147914
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Patent Number:	10632257
Patent Number:	D852837
Patent Number:	11376362
Application Number:	16360751
Patent Number:	11147921
Application Number:	16577719
Application Number:	16658880
Patent Number:	11446439
Patent Number:	11464906
Application Number:	16789162
Patent Number:	11471598
Application Number:	16802753
Patent Number:	11565045
Patent Number:	11511039
Application Number:	16947627

Property Type	Number
Application Number:	16947921
Application Number:	17007305
Application Number:	16949197
Application Number:	16949819
Application Number:	17247977
Application Number:	17302016
Application Number:	29788431
Application Number:	17303733
Application Number:	17303974
Application Number:	17445819
Application Number:	17451128
Application Number:	17810701
Application Number:	17933249
Application Number:	18059868
Application Number:	18162033
Patent Number:	6270478
Patent Number:	6851260
Patent Number:	7232423
Patent Number:	7887511
Application Number:	60691121
Patent Number:	7220248
Patent Number:	7785288
Application Number:	60696570
Application Number:	60696572
Patent Number:	7713238
Patent Number:	7794427
Patent Number:	8192394
Patent Number:	8409142
Patent Number:	7708717
Patent Number:	7887512
Patent Number:	7922708
Patent Number:	7625358
Patent Number:	7753879
Patent Number:	8597244
Patent Number:	7794426
Patent Number:	7892199
Patent Number:	7981102
Patent Number:	7717903

Property Type	Number
Patent Number:	7828528
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Patent Number:	7935105
Patent Number:	8032226
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Patent Number:	7794428
Patent Number:	7981084
Patent Number:	7938797
Patent Number:	8287487
Patent Number:	8974439
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Patent Number:	7938803
Patent Number:	7998116
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Patent Number:	8469920
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Patent Number:	8211093
Patent Number:	8641673
Patent Number:	8696633
Patent Number:	8585657
Patent Number:	8226608
Patent Number:	8808230
Patent Number:	8551046
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Patent Number:	8870853
Patent Number:	8747368
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Property Type	Number
Patent Number:	8647302
Patent Number:	8685002
Patent Number:	9114209
Patent Number:	8905995
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Patent Number:	8454557
Patent Number:	8454562
Patent Number:	8790294
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Patent Number:	9415158
Patent Number:	D691258
Patent Number:	D691259
Patent Number:	8480623
Patent Number:	D687541
Patent Number:	9901677
Patent Number:	8945044
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Patent Number:	9427523
Patent Number:	9132234
Patent Number:	8834420
Patent Number:	9517300
Patent Number:	9446187
Patent Number:	9457141
Patent Number:	9814830
Patent Number:	9141765
Patent Number:	9314569
Patent Number:	9381302
Patent Number:	8961462
Patent Number:	9440021
Patent Number:	9539388
Patent Number:	9517301
Patent Number:	9522232
Patent Number:	10064993
Patent Number:	9731072
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Patent Number:	9480793
Patent Number:	9956339
Patent Number:	9757512
Patent Number:	D809134
Application Number:	29557664
Patent Number:	10232108
Patent Number:	10226575
Patent Number:	9962482
Patent Number:	10716895
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Patent Number:	9872957
Patent Number:	9980140
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Patent Number:	10307536
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Patent Number:	11260169
Patent Number:	10341866
Patent Number:	10994078
Patent Number:	10636077
Patent Number:	11000645
Patent Number:	11241534
Patent Number:	11191891
Application Number:	15882562
Application Number:	16822621
Application Number:	16892100
Application Number:	16928213
Application Number:	17247600
Application Number:	17243020



Property Type	Number
Application Number:	17307613
Application Number:	17303925
Application Number:	17457518
Application Number:	17754737
Application Number:	18304117
Application Number:	18307219
Application Number:	18052287
Patent Number:	D971416
Application Number:	17818504
Application Number:	17824494
Application Number:	17826370
Application Number:	17834332
Application Number:	17839645
Application Number:	17839647
Application Number:	17848673
Application Number:	17848675
Application Number:	17860609
Application Number:	17812064
Application Number:	17812091
Application Number:	17812066
Application Number:	17812817
Application Number:	17820703
Application Number:	17821653
Application Number:	17822002
Application Number:	17821994
Application Number:	18045739
Application Number:	17821989
Application Number:	17930347
Application Number:	17936554
Application Number:	17935483
Application Number:	18047068
Application Number:	18047071
Application Number:	18047072

#### CORRESPONDENCE DATA

Fax Number:

*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: 2023704750

**Email:** ipteam@cogencyglobal.com  
**Correspondent Name:** RODNEY BOULWARE  
**Address Line 1:** 1025 CONNECTICUT AVE NW, SUITE 712  
**Address Line 2:** COGENCY GLOBAL INC.  
**Address Line 4:** WASHINGTON, D.C. 20036

<b>ATTORNEY DOCKET NUMBER:</b>	2116125 PT
<b>NAME OF SUBMITTER:</b>	SONYA JACKMAN
<b>SIGNATURE:</b>	/Sonya Jackman/
<b>DATE SIGNED:</b>	09/07/2023

**Total Attachments: 28**

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SECURITY AGREEMENT SUPPLEMENT FOR INTELLECTUAL PROPERTY

SUPPLEMENT NO. 4 (this “Supplement”), dated as of June 9, 2023, to the Security Agreement, dated as of May 4, 2021 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”) among the Grantors as defined therein and Morgan Stanley Senior Funding, Inc. (“MSSF”), as collateral agent for the Secured Parties.

A. Reference is made to (i) that certain Credit Agreement, dated as of May 4, 2021 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), among Insulet Corporation, a Delaware corporation (the “Initial Borrower”), MSSF, as administrative agent, (in such capacity, the “Administrative Agent”) and collateral agent (in such capacity, the “Collateral Agent”), each Lender from time to time party thereto and the other parties party thereto, pursuant to which the Lenders have severally agreed to make Loans, the L/C Issuers to issue Letters of Credit, and the Swingline Lender to make Swingline Loans and certain other Secured Parties to make other financial accommodations to the Company and the Restricted Subsidiaries and (ii) that certain Patent Security Agreement, dated as of May 4, 2021 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Patent Security Agreement”) among the Grantors as defined therein and MSSF, as Collateral Agent.

B. Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Credit Agreement and the Security Agreement referred to therein.

C. In connection with the Credit Agreement, the Company and the other Grantors have entered into the Security Agreement and the Patent Security Agreement in order to induce the Lenders to make Loans, the L/C Issuers to issue Letters of Credit and certain other Secured Parties to make other financial accommodations to the Company and the Restricted Subsidiaries. Section 3.04(c) of the Security Agreement provides that with respect to After-Acquired Intellectual Property, the applicable Grantor will cooperate as reasonably requested by, and necessary to enable, the Collateral Agent to make any necessary or reasonably desirable recordings with the United States Patent and Trademark Office and upon request of the Collateral Agent, such Grantor shall promptly file and record appropriate instruments or documents with the United States Patent and Trademark Office. The undersigned Person (the “Existing Grantor”) is executing this Supplement in accordance with the requirements of the Security Agreement in order to induce the Lenders to make Loans, the L/C Issuers to issue Letters of Credit and certain other Secured Parties to make other financial accommodations to the Company and the Restricted Subsidiaries.

Accordingly, the Collateral Agent and the Existing Grantor agree as follows:

SECTION 1. [Reserved].

SECTION 2. The Existing Grantor represents and warrants to the Collateral Agent and the other Secured Parties that this Supplement has been duly authorized, executed and delivered by it and constitutes its legal, valid and binding obligation, enforceable against it in accordance with its terms, except as such enforceability may be limited by Debtor Relief Laws, by general principles of equity (regardless of whether such enforceability is considered in a proceeding in equity or at law) and implied covenants of good faith and fair dealing.

SECTION 3. This Supplement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. This Supplement shall become effective when the Collateral Agent shall have received a counterpart of this Supplement that bears the signature of the Existing Grantor, and the Collateral Agent has executed a counterpart hereof. Delivery of an executed signature page to this Supplement by facsimile transmission or other electronic communication (including “.pdf” or “.tif” files) shall be as effective as delivery of a manually signed counterpart of this Supplement. The words “delivery,” “execute,” “execution,” “signed,” “signature,” and words of like import in this Supplement or any other document executed in connection herewith shall be deemed to include electronic signatures, the electronic matching of assignment terms and contract formations on electronic platforms approved by the Administrative Agent, 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, physical delivery thereof 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.

SECTION 4. The Existing Grantor hereby represents and warrants that (a) set forth on Schedule I attached hereto is a true and correct schedule of newly owned or acquired Collateral since that certain Security Agreement Supplement No. 3 for Intellectual Property dated as of November 30, 2022 owned by the Existing Grantor consisting of issued and pending Patents in the United States Patent and Trademark Office and (b) set forth under its signature hereto is the true and correct legal name of the Existing Grantor, its jurisdiction of formation and the location of its chief executive office.

SECTION 5. The Existing Grantor hereby grants to the Collateral Agent for the benefit of the Secured Parties a security interest in all of such Grantor’s right, title and interest in, to and under the Collateral set forth in Schedule I hereto, including (in each case excluding any Excluded Property):

- (a) the issued and pending Patents (as defined in the Security Agreement) in the United States Patent and Trademark Office set forth in Schedule I hereto;
- (b) all Proceeds and products of any and all of the foregoing, all supporting obligations and all other collateral security and guarantees given by any Person with respect to any of the foregoing; and
- (c) all rights to sue or otherwise recover for past, present and future infringements, misappropriations or other violations of any of the foregoing.

SECTION 7. This Supplement has been entered into in conjunction with the provisions of the Security Agreement. The Existing Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Supplement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 8. The Existing Grantor authorizes and requests that the Commissioner for Patents and any other applicable government officer record this Supplement.

SECTION 9. Except as expressly supplemented hereby, the Security Agreement and the Patent Security Agreement shall remain in full force and effect.

SECTION 10. THIS SUPPLEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

SECTION 11. In case any one or more of the provisions contained in this Supplement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 12. All communications and notices hereunder shall be in writing and given as provided in Section 6.01 of the Security Agreement.

SECTION 13. Reimbursement of the Collateral Agent's expenses under this Supplement shall be governed by the applicable sections of the Security Agreement.

[Remainder of Page Intentionally Blank]

IN WITNESS WHEREOF, the Existing Grantor and the Collateral Agent have duly executed this Supplement to the Security Agreement as of the day and year first above written.

INSULET CORPORATION,

By: 

Name: John W. Kapples

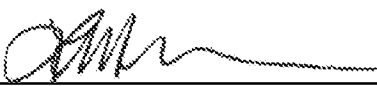
Title: Senior Vice President and  
General Counsel

Jurisdiction of Formation/Incorporation: Delaware  
Address of Chief Executive Office:  
100 Nagog Park,  
Acton, MA 01720

*[Signature Page – Supplement No. 4 to Security Agreement]*

**PATENT**  
**REEL: 064840 FRAME: 0194**

MORGAN STANLEY SENIOR FUNDING,  
INC.,  
as Collateral Agent

By: \_\_\_\_\_

Name: Lisa Hanson  
Title: Vice President

SCHEDULE I  
TO SUPPLEMENT NO. 4 TO THE  
SECURITY AGREEMENT

United States Applied for and Registered Intellectual Property

United States Patents and Patent Applications

**Patent Applications Filed and Patents Issued from 11/30/2022 to 5/31/2023**

Owner	Title	Application Number	Application Date	Patent Number	Grant Date
Insulet Corporation	SYSTEM, DEVICES, AND METHODS FOR RETRACTING AN INFUSION CANNULA OR SENSING ELEMENT TO EXTEND THE LIFE THEREOF	63/385653	01-Dec-2022	N/A	N/A
Insulet Corporation	CONTAINMENT, ACTIVATION, DEPLOYMENT, AND INTEGRATED FUNCTIONS OF FLEXIBLE, SLENDER ELEMENTS	63/434243	21-Dec-2022	N/A	N/A
Insulet Corporation	DRUG DELIVERY DEVICE DRIVE SENSOR	63/476076	19-Dec-2022	N/A	N/A
Insulet Corporation	PROGRAMMATIC INSULIN TITRATION WITH AN INSULIN DELIVERY DEVICE	63/434238	21-Dec-2022	N/A	N/A
Insulet Corporation	AUTOMATIC COMPENSATION FOR VARYING INACCURACY OF SENSOR VALUES USED BY A MEDICAMENT DELIVERY DEVICE	63/476069	19-Dec-2022	N/A	N/A
Insulet Corporation	AUDIO/TACTILE INPUT-OUTPUT AND AUDIO CONTROL FOR AUTOMATED INSULIN DELIVERY APPLICATIONS	63/476077	19-Dec-2022	N/A	N/A
Insulet Corporation	SHUTTING OFF AN ALARM IN A MEDICAMENT DELIVERY DEVICE WITHOUT HARMING AN INTERNAL PRINTED CIRCUIT BOARD ASSEMBLY	63/476221	20-Dec-2022	N/A	N/A
Insulet Corporation	LEAD SCREW WITHIN RESERVOIR	63/386249	06-Dec-2022	N/A	N/A
Insulet Corporation	DEVICES, SYSTEMS, AND METHODS OF PACKAGING FOR A PRE-FILLED DRUG DELIVERY DEVICE	16/897988	10-Jun-2020	11517658	06-Dec-2022



Owner	Title	Application Number	Application Date	Patent Number	Grant Date
Insulet Corporation	SAFETY CONSTRAINTS FOR A CONTROL ALGORITHM BASED DRUG DELIVERY SYSTEM	16/402753	03-May-2019	11565043	31-Jan-2023
Insulet Corporation	CARTRIDGE HOLD-UP VOLUME REDUCTION	16/794689	19-Feb-2020	11633541	25-Apr-2023
Insulet Corporation	EVENT DETECTION FOR DRUG DELIVERY SYSTEM	16/599729	11-Oct-2019	11565039	31-Jan-2023
Insulet Corporation	ACTIVITY MODE FOR ARTIFICIAL PANCREAS SYSTEM	16/586440	27-Sep-2019	11628251	18-Apr-2023
Insulet Corporation	FLUID DELIVERY AND INFUSION DEVICES, AND METHODS OF USE THEREOF	16/902511	16-Jun-2020	11596740	07-Mar-2023
Insulet Corporation	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	29/737480	09-Jun-2020	D977502	07-Feb-2023
Insulet Corporation	SAFETY CONSTRAINTS FOR A CONTROL ALGORITHM BASED DRUG DELIVERY SYSTEM	18/159353	25-Jan-2023		
Insulet Corporation	EVENT DETECTION FOR DRUG DELIVERY SYSTEM	18/160724	27-Jan-2023		
Insulet Corporation	ACTIVITY MODE FOR ARTIFICIAL PANCREAS SYSTEM	18/190678	27-Mar-2023		
Insulet Corporation	EARLY MEAL DETECTION AND CALORIE INTAKE DETECTION	18/151582	09-Jan-2023		
Insulet Corporation	FLUID DELIVERY DEVICE WITH TRANSCUTANEOUS ACCESS TOOL, INSERTION MECHANISM AND BLOOD GLUCOSE MONITORING FOR USE THEREWITH	18/321308	22-May-2023		
Insulet Corporation	FLUID DELIVERY AND INFUSION DEVICES, AND METHODS OF USE THEREOF	18/171339	18-Feb-2023		

Owner	Title	Application Number	Application Date	Patent Number	Grant Date
Insulet Corporation	INITIAL TOTAL DAILY INSULIN SETTING FOR USER ONBOARDING	18/186539	20-Mar-2023		
Insulet Corporation	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	29/869503	03-Jan-2023		
Insulet Corporation	TECHNIQUES TO REDUCE RISK OF OCCLUSIONS IN DRUG DELIVERY SYSTEMS	18/316703	12-May-2023		
Insulet Corporation	METHODS AND SYSTEMS FOR PRESSURE-BASED FLUID CONTROL IN A FLUID DELIVERY SYSTEM	18/157394	20-Jan-2023		
Insulet Corporation	TECHNIQUES FOR DETERMINING MEDICATION CORRECTION FACTORS IN AUTOMATIC MEDICATION DELIVERY SYSTEMS	18/164669	06-Feb-2023		
Insulet Corporation	PLEATED EXPANDABLE RESERVOIR FOR A WEARABLE DRUG DELIVERY DEVICE	18/149996	04-Jan-2023		
Insulet Corporation	USER INTERFACE DISPLAYS FOR ASSISTING IN MEDICAMENT BOLUS CALCULATION	18/156497	19-Jan-2023		
Insulet Corporation	TECHNIQUES AND SYSTEM FOR PARAMETER SELECTION FOR ONBOARDING AND ONGOING MANAGEMENT OF PUMP USERS	18/157400	20-Jan-2023		
Insulet Corporation	ADJUSTING MEDICAMENT DELIVERY PARAMETERS IN AN OPEN LOOP MEDICAMENT DELIVERY MODE	18/119062	08-Mar-2023		
Insulet Corporation	ADAPTIVE BASAL PORTION VALUE IN AN AUTOMATED MEDICAMENT DELIVERY DEVICE BASED ON HISTORIC MEDICAMENT DELIVERY FOR A USER	18/119059	08-Mar-2023		
Insulet Corporation	AUTONOMOUS ADAPTIVITY AND SET POINT CONTROL FOR A DRUG DELIVERY DEVICE	18/190572	27-Mar-2023		
Insulet Corporation	SINGLE PACKAGE AUTOMATED DRUG DELIVERY SYSTEM	18/176969	01-Mar-2023		

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Insulet Corporation	DRIVE DEVICE INCLUDING FLEXIBLE PLUNGER SHAFT	18/164708	06-Feb-2023		
Insulet Corporation	POSITIVE DISPLACEMENT PUMPING MECHANISM WITH DOUBLE RESERVOIR	18/160409	27-Jan-2023		
Insulet Corporation	ADAPTATION OF A MEDICAMENT DELIVERY DEVICE TO CHANGING ENVIRONMENTAL CONDITIONS	18/306061	24-Apr-2023		
Insulet Corporation	SYSTEMS AND METHODS FOR ENSURING SUFFICIENT BOLUS DOSING FOR MEAL COMPENSATION	18/155215	17-Jan-2023		
Insulet Corporation	ASSESSMENT OF PAST INSULIN DELIVERY OUTCOMES TO AUTOMATICALLY TUNE MDA SYSTEMS	18/323538	25-May-2023		
Insulet Corporation	CUSTOMIZATION OF A GLUCOSE PREDICTION MODEL FOR A USER IN AN AUTOMATED INSULIN DELIVERY (AID) DEVICE	18/199476	19-May-2023		
Insulet Corporation	COMPRESSION DETECTION AND COMPENSATION FOR A BIOLOGICAL SENSOR SECURED TO A USER	18/306041	24-Apr-2023		
Insulet Corporation	INSTRUMENT FOR A MEDICAMENT DELIVERY DEVICE THAT ACTS AS NEEDLE AND CANNULA	18/313767	08-May-2023		
Insulet Corporation	AUTOMATIC DRUG DELIVERY SYSTEM HAVING MULTIPLE COMMUNICATION OPTIONS	18/192380	29-Mar-2023		
Insulet Corporation	INSULIN ADAPTATION AND SAFETY MONITORING	18/137179	20-Apr-2023		
Insulet Corporation	INSULIN ADAPTATION AND SAFETY MONITORING FOR SICK DAY MANAGEMENT	18/137183	20-Apr-2023		
Insulet Corporation	MEDICAMENT ADAPTATION AND SAFETY MONITORING	18/137186	20-Apr-2023		

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Insulet Corporation	SYSTEM AND METHOD FOR CREATING OR ADJUSTING MANUAL BASAL PROFILES	18/300201	13-Apr-2023		
Insulet Corporation	METHODS TO INCORPORATE SUBJECTIVE USER GLUCOSE CONCENTRATION FEEDBACK IN AUTOMATED INSULIN DELIVERY SYSTEMS	63/492564	28-Mar-2023		
Insulet Corporation	PUMP MECHANISM WITH DOUBLE RESERVOIR AND STATIONARY FLUID PORTS	18/160429	27-Jan-2023		
Insulet Corporation	LIQUID DETECTION SENSOR	63/494407	05-Apr-2023		
Insulet Corporation	METHODS TO DEMONSTRATE PROGRESS TOWARDS FULL ADAPTATION AND TO PRESENT POTENTIAL IMPROVEMENTS THROUGH BEHAVIORAL CHANGES	63/501828	12-May-2023		
Insulet Corporation	ADHESIVE PLATFORM WITH FEATURES TO AID APPLICATION AND HANDLING OF A MEDICAL DEVICE	63/489249	09-Mar-2023		
Insulet Corporation	WIRELESS COMMUNICATION TAGS TO ENHANCE AID SYSTEM PERFORMANCE	63/489864	13-Mar-2023		
Insulet Corporation	AUTOMATICALLY OR MANUALLY INITIATED MEAL BOLUS DELIVERY WITH SUBSEQUENT AUTOMATIC SAFETY CONSTRAINT RELAXATION	63/478842	06-Jan-2023		
Insulet Corporation	FLEXIBLE COMPONENT FOR DRIVING A RATCHET WHEEL OF A MEDICAMENT DELIVERY DEVICE	63/494372	05-Apr-2023		
Insulet Corporation	MEDICAMENT DELIVERY AND SENSING SYSTEM	63/501908	12-May-2023		
Insulet Corporation	SWITCHING AND CUSTOMIZATION OF GLUCOSE PREDICTION MODELS IN MEDICAMENT DELIVERY DEVICES	18/199638	19-May-2023		
Insulet Corporation	METHODS AND SYSTEMS FOR DYNAMICALLY CUSTOMIZING INSULIN ON BOARD PROFILES AND PROVIDING RECOMMENDATIONS TO	18/199641	19-May-2023		

Owner	Title	Application Number	Application Date	Patent Number	Grant Date
	IMPROVE THE DURATION OF INSULIN ACTION				
Insulet Corporation	SYSTEM AND METHOD FOR REDUCING CGM WARM-UP TIME BY APPLICATION OF OPTICAL ENERGY	63/484626	13-Feb-2023		

**Acquired from Bigfoot Biomedical Inc. in 2023**

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Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	11/522,836	09/18/2006	8,105,279	01/31/2012
Insulet Corporation	INFUSION PUMP SYSTEM	11/557,910	11/08/2006	8,475,408	07/02/2013
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	11/677,706	02/22/2007	8,057,436	11/15/2011
Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	11/852,110	09/07/2007	7,935,076	05/03/2011
Insulet Corporation	PORTABLE INFUSION PUMP AND MEDIA PLAYER	11/954,755	12/12/2007	7,875,022	01/25/2011
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	12/195,034	08/20/2008	7,959,598	06/14/2011
Insulet Corporation	OPERATING A PORTABLE MEDICAL DEVICE	12/781,450	05/17/2010	8,109,921	02/07/2012
Insulet Corporation	INFUSION PUMP	29/362,566	05/27/2010	D669,165	10/16/2012
Insulet Corporation	INFUSION PUMP SYSTEM	12/817,022	06/16/2010	8,372,039	02/12/2013
Insulet Corporation	INFUSION PUMP SYSTEM	12/817,049	06/16/2010	8,430,847	04/30/2013
Insulet Corporation	INFUSION PUMP SYSTEM	12/817,031	06/16/2010	8,679,060	03/25/2014
Insulet Corporation	PORTABLE INFUSION PUMP AND MEDIA PLAYER	12/968,741	12/15/2010	8,282,626	10/09/2012

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Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	13/025,857	02/11/2011	8,328,754	12/11/2012
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	13/071,061	03/24/2011	8,221,385	07/17/2012
Insulet Corporation	METHOD AND SYSTEM FOR MANUAL AND AUTONOMOUS CONTROL OF AN INFUSION PUMP	13/489,603	06/06/2012	9,205,192	12/08/2015
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	13/524,200	06/15/2012	9,078,963	07/14/2015
Insulet Corporation	PORTABLE INFUSION PUMP AND MEDIA PLAYER	13/616,164	09/13/2012	9,314,566	04/19/2016
Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	13/616,164	09/14/2012	8,622,990	01/07/2014
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	13/782,468	03/01/2013	9,446,186	09/20/2016
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	13/946,330	07/19/2013	9,561,324	02/07/2017
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	14/094,185	12/02/2013	10,569,015	02/25/2020
Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	14/098,742	12/06/2013	8,894,628	11/25/2014
Insulet Corporation	DISCRETIONARY INSULIN DELIVERY SYSTEMS AND METHODS	14/254,684	04/16/2014		
Insulet Corporation	DISPOSABLE WEARABLE INSULIN DISPENSING DEVICE, A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER AND A METHOD OF CONTROLLING THE OPERATION OF SUCH A DEVICE	14/299,183	06/09/2014	9,295,777	03/29/2016
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	14/506,942	10/06/2014	9,259,529	02/16/2016
Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	14/548,953	11/20/2014	9,254,362	02/09/2016
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	14/699,341	04/29/2015	9,878,097	01/30/2018
Insulet Corporation	INSULIN ON BOARD CALCULATION, SCHEDULE AND DELIVERY	14/733,567	06/08/2015	10,188,793	01/29/2019

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Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	14/797,400	07/13/2015	9,968,729	05/15/2018
Insulet Corporation	METHOD TO DETERMINE INDIVIDUALIZED INSULIN SENSITIVITY AND OPTIMAL INSULIN DOSE BY LINEAR REGRESSION, AND RELATED SYSTEMS	14/947,347	11/20/2015	10,456,090	10/29/2019
Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	14/987,004	01/04/2016		
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	14/988,697	01/05/2016	10,449,294	10/22/2019
Insulet Corporation	PORTABLE INFUSION PUMP AND MEDIA PLAYER	15/064,880	03/09/2016	10,376,634	08/13/2019
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	15/240,220	08/18/2016	10,661,007	05/26/2020
Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	15/285,872	10/05/2016	10,117,993	11/06/2018
Insulet Corporation	INSULIN DELIVERY CONTROLLER	29/587,300	12/12/2016	D836,769	12/25/2018
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	15/383,176	12/19/2016	10,207,047	02/19/2019
Insulet Corporation	OPERATING MULTI-MODAL MEDICINE DELIVERY SYSTEMS	15/384,493	12/20/2016	10,987,468	04/27/2021
Insulet Corporation	USER INTERFACE FOR DIABETES MANAGEMENT SYSTEM	15/402,493	01/10/2017	10,275,573	04/30/2019
Insulet Corporation	OCCLUSION RESOLUTION IN MEDICATION DELIVERY DEVICES, SYSTEMS, AND METHODS	15/404,442	01/12/2017	10,610,643	04/07/2020
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	15/406,329	01/13/2017	10,835,671	11/17/2020
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	15/406,339	01/13/2017	10,806,859	10/20/2020
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	15/406,313	01/13/2017	10,307,538	06/04/2019
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	15/406,349	01/13/2017	10,780,223	09/22/2020

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Insulet Corporation	ICONS FOR A MEDICATION DELIVERY DEVICE	29/600,766	04/14/2017		
Insulet Corporation	INSULIN DELIVERY SYSTEM AND METHODS WITH RISK-BASED SET POINTS (as amended)	15/601,282	05/22/2017		
Insulet Corporation	DISPLAY SCREEN WITH GRAPHICAL USER-INTERFACE FOR CLOSED-LOOP MEDICATION DELIVERY	29/607,911	06/16/2017	D839,294	01/29/2019
Insulet Corporation	DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE ASSOCIATED WITH INSULIN DELIVERY	29/619,225	09/27/2017	D863,343	10/15/2019
Insulet Corporation	DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE ASSOCIATED WITH INSULIN DELIVERY	29/619,222	09/27/2017		
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	15/848,622	12/20/2017	10,603,433	03/31/2020
Insulet Corporation	INSULIN DELIVERY METHODS, SYSTEMS AND DEVICES	15/870,703	01/12/2018	11,027,063	06/08/2021
Insulet Corporation	INSULIN DELIVERY METHODS, SYSTEMS AND DEVICES	15/870,717	01/12/2018	11,033,682	06/15/2021
Insulet Corporation	INSULIN DELIVERY METHODS, SYSTEMS AND DEVICES	15/870,686	01/12/2018	10,610,644	04/07/2020
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	15/870,666	01/12/2018	10,500,334	12/10/2019
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	15/870,674	01/12/2018	10,583,250	03/10/2020
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	15/870,609	01/12/2018	10,881,793	01/05/2021
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	15/870,646	01/12/2018	10,758,675	09/01/2020
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	15/870,591	01/12/2018	10,881,792	01/05/2021
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	15/893,145	02/09/2018	11,147,914	10/19/2021
Insulet Corporation	MEDICATION DELIVERY DEVICE WITH ICONS	29/642,766	04/02/2018	D928,199	08/17/2021



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Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	15/948,356	04/09/2018	10,737,015	08/11/2020
Insulet Corporation	ACTIVITY SENSING TECHNIQUES FOR AN INFUSION PUMP SYSTEM	16/178,689	11/02/2018	10,632,257	04/28/2020
Insulet Corporation	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE FOR CLOSED-LOOP MEDICATION DELIVERY	29/869503	11/29/2018	D852,837	07/02/2019
Insulet Corporation	SYSTEMS FOR DETERMINING INSULIN ON BOARD AND RECOMMENDING INSULIN THERAPY AND RELATED METHODS	16/213,799	12/07/2018	11,376,362	07/05/2022
Insulet Corporation	USER INTERFACE FOR DIABETES MANAGEMENT SYSTEM	16/360,751	03/21/2019		
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	16/393,831	04/24/2019	11,147,921	10/19/2021
Insulet Corporation	METHOD TO DETERMINE INDIVIDUALIZED INSULIN SENSITIVITY AND OPTIMAL INSULIN DOSE BY LINEAR REGRESSION, AND RELATED SYSTEMS	16/577,719	09/20/2019		
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	16/658,880	10/21/2019		
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	16/706,204	12/06/2019	11,446,439	09/20/2022
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	16/743,332	01/15/2020	11,464,906	10/11/2022
Insulet Corporation	DISCRETIONARY INSULIN DELIVERY SYSTEMS AND METHODS	16/789,162	02/12/2020		
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	16/796,184	02/20/2020	11,471,598	10/18/2022
Insulet Corporation	OCCLUSION RESOLUTION IN MEDICATION DELIVERY DEVICES, SYSTEMS, AND METHODS	16/802,753	02/27/2020		
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	16/811,765	03/06/2020	11,565,045	01/31/2023
Insulet Corporation	INSULIN DELIVERY METHODS, SYSTEMS AND DEVICES	16/822,934	03/18/2020	11,511,039	11/29/2022
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	16/947,627	08/10/2020		

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Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	16/947,921	08/24/2020		
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	17/007,305	08/31/2020		
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	16/949,197	10/19/2020		
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	16/949,819	11/16/2020		
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	17/247,977	01/04/2021		
Insulet Corporation	OPERATING MULTI-MODAL MEDICINE DELIVERY SYSTEMS	17/302,016	04/21/2021		
Insulet Corporation	MEDICAL DELIVERY DEVICE WITH ICONS	29/788,431	05/25/2021		
Insulet Corporation	INSULIN DELIVERY METHODS, SYSTEMS AND DEVICES	17/303,733	06/07/2021		
Insulet Corporation	INSULIN DELIVERY METHODS, SYSTEMS AND DEVICES	17/303,974	06/11/2021		
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	17/445,819	08/24/2021		
Insulet Corporation	ADJUSTING INSULIN DELIVERY RATES	17/451,128	10/15/2021		
Insulet Corporation	SYSTEMS FOR DETERMINING INSULIN ON BOARD AND RECOMMENDING INSULIN THERAPY, AND RELATED METHODS	17/810,701	07/05/2022		
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	17/933,249	09/19/2022		
Insulet Corporation	CONTROLLING INSULIN DELIVERY	18/059,868	11/29/2022		
Insulet Corporation	SYSTEM AND METHOD FOR ADJUSTING INSULIN DELIVERY	18/162,033	01/31/2023		
Insulet Corporation	INFUSION PUMP SYSTEM AND AN INFUSION PUMP UNIT	09/545741	4/3/2000	6270478	2001-08-07

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Insulet Corporation	SHAPE MEMORY ALLOY ACTUATOR	10/622065	7/17/2003	6851260	2005-02-08
Insulet Corporation	INFUSION PUMP SYSTEM, AN INFUSION PUMP UNIT AND AN INFUSION PUMP	11/041189	1/21/2005	7232423	2007-06-19
Insulet Corporation	DISPOSABLE WEARABLE INSULIN DISPENSING DEVICE, A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER AND A METHOD OF CONTROLLING THE OPERATION OF SUCH A DEVICE	11/121708	5/4/2005	7887511	2011-02-15
Insulet Corporation	AN ACTUATOR	60/691121	6/16/2005		
Insulet Corporation	FLEXIBLE PISTON ROD	11/158277	6/21/2005	7220248	2007-05-22
Insulet Corporation	DISPOSABLE WEARABLE INSULIN DISPENSING DEVICE, A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER AND A METHOD OF CONTROLLING THE OPERATION OF SUCH A DEVICE	11/157479	6/21/2005	7785288	2010-08-31
Insulet Corporation	DRIVE MECHANISM FOR MEDICINE DISPENSING DEVICE	60/696570	7/5/2005		
Insulet Corporation	DRIVE MECHANISM FOR MEDICINE DISPENSING DEVICE	60/696572	7/5/2005		
Insulet Corporation	ACTUATOR WITH STRING DRIVE #1	10/591190	4/6/2006	7713238	2010-05-11
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/522603	9/18/2006	7794427	2010-09-14
Insulet Corporation	METHOD AND SYSTEM FOR MANUAL AND AUTONOMOUS CONTROL OF AN INFUSION PUMP	11/557926	11/8/2006	8192394	2012-06-05
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/677743	2/22/2007	8409142	2013-04-02
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/686704	3/15/2007	7708717	2010-05-04
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/686762	3/15/2007	7887512	2011-02-15
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/686895	3/15/2007	7922708	2011-04-12

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Insulet Corporation	FLEXIBLE PISTON ROD	11/697168	4/5/2007	7625358	2009-12-01
Insulet Corporation	DISPOSABLE MEDICINE DISPENSING DEVICE	10/587911	4/20/2007	7753879	2010-07-13
Insulet Corporation	INFUSION PUMP SYSTEM, AN INFUSION PUMP UNIT AND AN INFUSION PUMP	11/738311	4/20/2007	8597244	2013-12-03
Insulet Corporation	INFUSION PUMP SYSTEM WITH CONTAMINATION-RESISTANT FEATURES	11/751278	5/21/2007	7794426	2010-09-14
Insulet Corporation	OCCLUSION SENSING FOR AN INFUSION PUMP	11/751383	5/21/2007	7892199	2011-02-22
Insulet Corporation	REMOVABLE CONTROLLER FOR AN INFUSION PUMP	11/751262	5/21/2007	7981102	2011-07-19
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/851194	9/6/2007	7717903	2010-05-18
Insulet Corporation	OCCLUSION SENSING SYSTEM FOR INFUSION PUMPS	11/851212	9/6/2007	7828528	2010-11-09
Insulet Corporation	CONTROLLED ADJUSTMENT OF MEDICINE DISPENSATION FROM AN INFUSION PUMP DEVICE	11/851898	9/7/2007	7879026	2011-02-01
Insulet Corporation	DATA STORAGE FOR AN INFUSION PUMP SYSTEM	11/851986	9/7/2007	7935105	2011-05-03
Insulet Corporation	USER PROFILE BACKUP SYSTEM FOR AN INFUSION PUMP DEVICE	11/851989	9/7/2007	8032226	2011-10-04
Insulet Corporation	POWER MANAGEMENT TECHNIQUES FOR AN INFUSION PUMP SYSTEM	11/852019	9/7/2007	8287514	2012-10-16
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/924345	10/25/2007	7776030	2010-08-17
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/924251	10/25/2007	7789859	2010-09-07
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/924230	10/25/2007	7794428	2010-09-14
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	11/924203	10/25/2007	7981084	2011-07-19

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Insulet Corporation	INFUSION PUMP SYSTEM	12/115008	5/5/2008	7938797	2011-05-10
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	12/251629	10/15/2008	8287487	2012-10-16
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	12/348162	1/2/2009	8974439	2015-03-10
Insulet Corporation	DISTRIBUTION OF INFUSION PUMPS	12/369534	2/11/2009	8234126	2012-07-31
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	12/422711	4/13/2009	7938803	2011-05-10
Insulet Corporation	MEDICINE DISPENSING DEVICE	12/767570	4/26/2010	7998116	2011-08-16
Insulet Corporation	INFUSION PUMP UNIT	29/362567	5/26/2010	D669166	2012-10-16
Insulet Corporation	CONTROLLER FOR AN INFUSION PUMP	29/362571	5/27/2010	D669167	2012-10-16
Insulet Corporation	WEARABLE INSULIN DISPENSING DEVICE, AND A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER	12/818830	6/18/2010	8469920	2013-06-25
Insulet Corporation	INFUSION PUMP SYSTEM WITH CONTAMINATION-RESISTANT FEATURES	12/880695	9/13/2010	8152765	2012-04-10
Insulet Corporation	ILLUMINATION INSTRUMENT FOR AN INFUSION PUMP	12/898390	10/5/2010	8211062	2012-07-03
Insulet Corporation	DISPOSABLE WEARABLE INSULIN DISPENSING DEVICE, A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER AND A METHOD OF CONTROLLING THE OPERATION OF SUCH A DEVICE	13/005216	1/12/2011	8795233	2014-08-05
Insulet Corporation	OCCLUSION SENSING FOR AN INFUSION PUMP	13/008529	1/18/2011	8852141	2014-10-07
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	13/009644	1/19/2011	8622966	2014-01-07
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	13/023820	2/9/2011	8852152	2014-10-07
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	13/049588	3/16/2011	8454581	2013-06-04

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Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	13/070569	3/24/2011	8282601	2012-10-09
Insulet Corporation	INFUSION PUMP SYSTEM	13/072874	3/28/2011	8277435	2012-10-02
Insulet Corporation	DATA STORAGE FOR AN INFUSION PUMP SYSTEM	13/095632	4/27/2011	8211093	2012-07-03
Insulet Corporation	REMOVABLE CONTROLLER FOR AN INFUSION PUMP	13/160191	6/14/2011	8641673	2014-02-04
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	13/161292	6/15/2011	8696633	2014-04-15
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	13/164987	6/21/2011	8585657	2013-11-19
Insulet Corporation	MEDICINE DISPENSING DEVICE	13/182107	7/13/2011	8226608	2012-07-24
Insulet Corporation	OCCLUSION DETECTION FOR AN INFUSION PUMP SYSTEM	13/226689	9/7/2011	8808230	2014-08-19
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	13/251865	10/3/2011	8551046	2013-10-08
Insulet Corporation	USER PROFILE BACKUP SYSTEM FOR AN INFUSION PUMP DEVICE	13/251869	10/3/2011	8551070	2013-10-08
Insulet Corporation	OPERATING A PORTABLE MEDICAL DEVICE	13/344836	1/6/2012	8870853	2014-10-28
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	13/358330	1/25/2012	8747368	2014-06-10
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	13/361361	1/30/2012	8747369	2014-06-10
Insulet Corporation	INFUSION PUMP SYSTEM WITH CONTAMINATION-RESISTANT FEATURES	13/429812	3/26/2012	8647302	2014-02-11
Insulet Corporation	DATA STORAGE FOR AN INFUSION PUMP SYSTEM	13/468077	5/10/2012	8685002	2014-04-01
Insulet Corporation	METHOD AND SYSTEM FOR MANUAL AND AUTONOMOUS CONTROL OF AN INFUSION PUMP	13/490602	6/7/2012	9114209	2015-08-25

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Insulet Corporation	MEDICINE DISPENSING DEVICE	13/526967	6/19/2012	8905995	2014-12-09
Insulet Corporation	DISTRIBUTION OF INFUSION PUMPS	13/534235	6/27/2012	8543418	2013-09-24
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	13/553027	7/19/2012	8454557	2013-06-04
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	13/553921	7/20/2012	8454562	2013-06-04
Insulet Corporation	INFUSION PUMP SYSTEM	13/613620	9/13/2012	8790294	2014-07-29
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	13/613846	9/13/2012	9114210	2015-08-25
Insulet Corporation	POWER MANAGEMENT TECHNIQUES FOR AN INFUSION PUMP SYSTEM	13/613160	9/13/2012	9415158	2016-08-16
Insulet Corporation	INFUSION PUMP	29/432228	9/13/2012	D691258	2013-10-08
Insulet Corporation	INFUSION PUMP	29/362566	27-May-2010	D669165	16-Oct-2012
Insulet Corporation	CONTROLLER FOR AN INFUSION PUMP	29/432230	9/13/2012	D691259	2013-10-08
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	13/616303	9/14/2012	8480623	2013-07-09
Insulet Corporation	INFUSION PUMP UNIT	29/432231	9/14/2012	D687541	2013-08-06
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	13/652905	10/16/2012	9901677	2018-02-27
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	13/684985	11/26/2012	8945044	2015-02-03
Insulet Corporation	WEARABLE INSULIN DISPENSING DEVICE, AND A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER	13/705638	12/5/2012	8801655	2014-08-12
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	13/709296	12/10/2012	9427523	2016-08-30

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Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	13/760596	2/6/2013	9132234	2015-09-15
Insulet Corporation	ILLUMINATION INSTRUMENT FOR AN INFUSION PUMP	13/886775	5/3/2013	8834420	2014-09-16
Insulet Corporation	PUMP SYSTEM AND METHOD	13/886589	5/3/2013	9517300	2016-12-13
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	13/908513	6/3/2013	9446187	2016-09-20
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	13/908616	6/3/2013	9457141	2016-10-04
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	13/936684	7/8/2013	9814830	2017-11-14
Insulet Corporation	DISTRIBUTION OF INFUSION PUMPS	14/032676	9/20/2013	9141765	2015-09-22
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	14/035119	9/24/2013	9314569	2016-04-19
Insulet Corporation	USER PROFILE BACKUP SYSTEM FOR AN INFUSION PUMP DEVICE	14/047142	10/7/2013	9381302	2016-07-05
Insulet Corporation	INFUSION PUMP SYSTEM, AN INFUSION PUMP UNIT AND AN INFUSION PUMP	14/094035	12/2/2013	8961462	2015-02-24
Insulet Corporation	REMOVABLE CONTROLLER FOR AN INFUSION PUMP	14/135960	12/20/2013	9440021	2016-09-13
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	14/146885	1/3/2014	9539388	2017-01-10
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	14/208490	3/13/2014	9517301	2016-12-13
Insulet Corporation	DATA STORAGE FOR AN INFUSION PUMP SYSTEM	14/228535	3/28/2014	9522232	2016-12-20
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	14/299177	6/9/2014	10064993	2018-09-04
Insulet Corporation	INFUSION PUMP SYSTEM	14/339642	7/24/2014	9731072	2017-08-15



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Insulet Corporation	WEARABLE INSULIN DISPENSING DEVICE, AND A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER	14/449439	8/1/2014	9308319	2016-04-12
Insulet Corporation	INFUSION PUMP ASSEMBLY AND METHOD	14/453596	8/6/2014	10137246	2018-11-27
Insulet Corporation	OCCLUSION DETECTION FOR AN INFUSION PUMP SYSTEM	14/461678	8/18/2014	9610404	2017-04-04
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	14/468425	8/26/2014	9919096	2018-03-20
Insulet Corporation	OPERATING A PORTABLE MEDICAL DEVICE	14/504899	10/2/2014	10226572	2019-03-12
Insulet Corporation	OCCLUSION SENSING FOR AN INFUSION PUMP	14/506933	10/6/2014	9474854	2016-10-25
Insulet Corporation	MEDICINE DISPENSING DEVICE	14/562951	12/8/2014	10105483	2018-10-23
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	14/574763	12/18/2014	9545476	2017-01-17
Insulet Corporation	INFUSION PUMP SYSTEM, AN INFUSION PUMP UNIT AND AN INFUSION PUMP	14/580669	12/23/2014	9463272	2016-10-11
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	14/804563	7/21/2015	9844627	2017-12-19
Insulet Corporation	DISTRIBUTION OF INFUSION PUMPS	14/804599	7/21/2015	10152742	2018-12-11
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	14/819929	8/6/2015	9801997	2017-10-31
Insulet Corporation	OCCLUSION SENSING FOR AN INFUSION PUMP	14/830841	8/20/2015	9480793	2016-11-01
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	14/964030	12/9/2015	9956339	2018-05-01
Insulet Corporation	WEARABLE INSULIN DISPENSING DEVICE, AND A COMBINATION OF SUCH A DEVICE AND A PROGRAMMING CONTROLLER	15/062401	3/7/2016	9757512	2017-09-12
Insulet Corporation	INFUSION PUMP SYSTEM, AN INFUSION PUMP UNIT AND AN INFUSION PUMP	29/557657	3/9/2016	D809134	2018-01-30

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Insulet Corporation	INFUSION PUMP CONTROLLER	29/557664	3/9/2016		
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	15/217595	7/22/2016	10232108	2019-03-19
Insulet Corporation	POWER MANAGEMENT TECHNIQUES FOR AN INFUSION PUMP SYSTEM	15/228654	8/4/2016	10226575	2019-03-12
Insulet Corporation	REMOVABLE CONTROLLER FOR AN INFUSION PUMP	15/234410	8/11/2016	9962482	2018-05-08
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	15/240208	8/18/2016	10716895	2020-07-21
Insulet Corporation	OCCLUSION SENSING FOR AN INFUSION PUMP	15/298676	10/20/2016	9717849	2017-08-01
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	15/370279	12/6/2016	9872957	2018-01-23
Insulet Corporation	SECURE COMMUNICATION ARCHITECTURE FOR MEDICAL DEVICES	15/431452	2/13/2017	9980140	2018-05-22
Insulet Corporation	NETWORK TOPOLOGY FOR INSULIN PUMP SYSTEMS	15/688271	8/28/2017	10896245	2021-01-19
Insulet Corporation	INFUSION PUMP SYSTEMS AND METHODS	15/714084	9/25/2017	10576204	2020-03-03
Insulet Corporation	DISPENSING FLUID FROM AN INFUSION PUMP SYSTEM	15/783322	10/13/2017	10603431	2020-03-31
Insulet Corporation	OPERATING AN INFUSION PUMP SYSTEM	15/850355	12/21/2017	10307536	2019-06-04
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	15/882562	1/29/2018		
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	15/891125	2/7/2018	10661008	2020-05-26
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	15/904855	2/26/2018	11260169	2022-03-01
Insulet Corporation	SECURE COMMUNICATION ARCHITECTURE FOR MEDICAL DEVICES	15/959450	4/23/2018	10341866	2019-07-02

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Insulet Corporation	INFUSION PUMP ASSEMBLY AND METHOD	16/168148	10/23/2018	10994078	2021-05-04
Insulet Corporation	DISTRIBUTION OF INFUSION PUMPS	16/199899	11/26/2018	10636077	2020-04-28
Insulet Corporation	OPERATING A PORTABLE MEDICAL DEVICE	16/256055	1/24/2019	11000645	2021-05-11
Insulet Corporation	POWER MANAGEMENT TECHNIQUES FOR AN INFUSION PUMP SYSTEM	16/256403	1/24/2019	11241534	2022-02-08
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	16/260691	1/29/2019	11191891	2021-12-07
Insulet Corporation	DISTRIBUTION OF INFUSION PUMPS	16/822,621	3/18/2020		
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	16/892100	6/3/2020		
Insulet Corporation	INFUSION PUMP SYSTEM AND METHODS	16/928213	7/14/2020		
Insulet Corporation	NETWORK TOPOLOGY FOR INSULIN PUMP SYSTEMS	17/247600	12/17/2020		
Insulet Corporation	INFUSION PUMP ASSEMBLY AND METHOD	17/243020	4/28/2021		
Insulet Corporation	OPERATING A PORTABLE MEDICAL DEVICE	17/307613	5/4/2021		
Insulet Corporation	CLOSED-LOOP DIABETES TREATMENT SYSTEM DETECTING MEAL OR MISSED BOLUS	17/303925	6/10/2021		
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	17/457518	12/3/2021		
Insulet Corporation	ADJUSTING INSULIN THERAPY SETTING BASED ON VARIABILITY OF BLOOD GLUCOSE VALUES	17/754737	4/11/2022		
Insulet Corporation	INFUSION PUMP SYSTEM AND METHOD	18/304117	20-Apr-2023		
Insulet Corporation	NETWORK TOPOLOGY FOR INSULIN PUMP SYSTEMS	18/307219	26-Apr-2023		

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Insulet Corporation	METHODS AND SYSTEMS FOR STERILIZING SEALED COMPONENTS OF A DRUG DELIVERY DEVICE	18/052287	11/03/2022		
Insulet Corporation	Overlay for drug delivery device	29/738222	06/16/2020	D971416	11/29/2022
Insulet Corporation	USER PARAMETER DEPENDENT COST FUNCTION FOR PERSONALIZED REDUCTION OF HYPOGLYCEMIA AND/OR HYPERGLYCEMIA IN A CLOSED LOOP ARTIFICIAL PANCREAS SYSTEM	17/818504	08/09/2022		
Insulet Corporation	THRESHOLD BASED AUTOMATIC GLUCOSE CONTROL RESPONSE	17/824494	05/25/2022		
Insulet Corporation	SPRING-BASED STATUS SENSORS	17/826370	05/27/2022		
Insulet Corporation	EXERCISE SAFETY PREDICTION BASED ON PHYSIOLOGICAL CONDITIONS	17/834332	06/07/2022		
Insulet Corporation	HYBRID INJECTION-PUMP INSULIN DELIVERY	17/839645	06/14/2022		
Insulet Corporation	METHOD FOR MODIFICATION OF MAXIMUM DELIVERY LIMITS IN AUTOMATIC DRUG DELIVERY SYSTEMS	17/839647	06/14/2022		
Insulet Corporation	TRANSITIONS TO REPLACEMENT ON-BODY MEDICAL DEVICES FROM EXPIRING ON-BODY MEDICAL DEVICES THAT AVOID DOWNTIME	17/848673	06/24/2022		
Insulet Corporation	ADJUSTMENT OF MEDICAMENT DELIVERY BY A MEDICAMENT DELIVERY DEVICE BASED ON MENSTRUAL CYCLE PHASE	17/848675	06/24/2022		
Insulet Corporation	TECHNIQUES FOR RECOMMENDING RESCUE CARBOHYDRATE INGESTION IN AUTOMATIC MEDICATION DELIVERY SYSTEMS	17/860609	07/08/2022		
Insulet Corporation	SPACE-EFFICIENT FREE PISTON RESERVOIR FOR A WEARABLE DRUG DELIVERY DEVICE	17/812064	07/12/2022		
Insulet Corporation	SECONDARY METHODS OF COMMUNICATING WITH A DRUG DELIVERY DEVICE	17/812091	07/12/2022		

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Insulet Corporation	METHOD FOR MODIFICATION OF INSULIN DELIVERY DURING PREGNANCY IN AUTOMATIC INSULIN DELIVERY SYSTEMS	17/812066	07/12/2022		
Insulet Corporation	ADAPTATION OF MEDICAMENT DELIVERY IN RESPONSE TO USER STRESS LOAD	17/812817	07/15/2022		
Insulet Corporation	LOW-FRICTION ROLLING PLUNGER FOR A WEARABLE DRUG DELIVERY DEVICE	17/820703	08/18/2022		
Insulet Corporation	ADJUSTMENT OF INSULIN-TO-CARBOHYDRATE RATIO, CORRECTION FACTOR, INSULIN DOSAGE AND TIMING OF INSULIN DELIVERY BY A MEDICAMENT DELIVERY DEVICE	17/821653	08/23/2022		
Insulet Corporation	METHODS AND SYSTEMS FOR MANAGING FLUID PUMP DELIVERY IMPEDIMENTS	17/822002	08/24/2022		
Insulet Corporation	DEVICES AND METHODS FOR CONTROLLING DRUG DOSAGE DELIVERY FOR AUTOMATICALLY PROVIDING A DRUG TO A PATIENT	17/821994	08/24/2022		
Insulet Corporation	DRUG DELIVERY DEVICE WITH INDICATOR	18/045739	10/11/2022		
Insulet Corporation	COMPENSATING FOR CHANGES IN POTENCY OF A MEDICAMENT IN A MEDICAMENT DELIVERY DEVICE	17/821989	08/24/2022		
Insulet Corporation	CLUTCH DEVICE FOR COMPACT POSITIVE DISPLACEMENT PUMP OF A WEARABLE DRUG DELIVERY DEVICE	17/930347	09/07/2022		
Insulet Corporation	DUAL NEEDLE VALVE FOR A WEARABLE DRUG DELIVERY DEVICE	17/936554	09/29/2022		
Insulet Corporation	TECHNIQUES ENABLING ADAPTATION OF PARAMETERS IN AID SYSTEMS BY USER INPUT	17/935483	09/26/2022		
Insulet Corporation	DRIVE MECHANISM FOR POSITIVE DISPLACEMENT PUMPS	18/047068	10/17/2022		
Insulet Corporation	ESTABLISHING AND MAINTAINING VACUUM IN THE RESERVOIR OF A DRUG DELIVERY DEVICE	18/047071	10/17/2022		

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Insulet Corporation	FLEXIBLE LINKAGE FOR POSITIVE DISPLACEMENT PUMPS	18/047072	10/17/2022		