

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7870018

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PERKINELMER HEALTH SCIENCES INC.	03/13/2023

RECEIVING PARTY DATA

Name:	PERKINELMER U.S. LLC
Street Address:	710 BRIDGEPORT AVENUE
City:	SHELTON
State/Country:	CONNECTICUT
Postal Code:	06484

PROPERTY NUMBERS Total: 50

Property Type	Number
Application Number:	10258551
Application Number:	10370910
Application Number:	10426599
Application Number:	10438125
Application Number:	10448477
Application Number:	10448495
Application Number:	10621942
Application Number:	10628537
Application Number:	10730779
Application Number:	10881913
Application Number:	10958806
Application Number:	11040535
Application Number:	11054755
Application Number:	11072829
Application Number:	11072371
Application Number:	11132953
Application Number:	11132956
Application Number:	11133724
Application Number:	11155150
Application Number:	11184387

PATENT

Property Type	Number
Application Number:	11189467
Application Number:	11207393
Application Number:	11218912
Application Number:	11251310
Application Number:	11251187
Application Number:	11285914
Application Number:	11792689
Application Number:	13038012
Application Number:	11348863
Application Number:	11372996
Application Number:	11403527
Application Number:	11407480
Application Number:	11432158
Application Number:	11435034
Application Number:	11559760
Application Number:	11751327
Application Number:	11809349
Application Number:	11841054
Application Number:	11852655
Application Number:	11931163
Application Number:	11965448
Application Number:	12058921
Application Number:	12111484
Application Number:	12996164
Application Number:	12206419
Application Number:	12234954
Application Number:	12332539
Application Number:	12343034
Application Number:	12368712
Application Number:	12431886

CORRESPONDENCE DATA

Fax Number: (781)663-5970

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: 7816635760

Email: rita.sullivan@perkinelmer.com

Correspondent Name: RITA SULLIVAN

Address Line 1: 940 WINTER ST

Address Line 4: WALTHAM, MASSACHUSETTS 02451

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U.S. PATENT ASSIGNMENT AGREEMENT

This U.S. PATENT ASSIGNMENT AGREEMENT (this “Assignment Agreement”), effective as of March 13, 2023 (the “Effective Date”), is entered into by and between by and between PerkinElmer Health Sciences Inc. (“Assignor”), and PerkinElmer U.S. LLC (“Assignee”). Assignor and Assignee are each referred to individually as a “Party” and together as the “Parties.”

WHEREAS, PerkinElmer, Inc., a Massachusetts corporation, Polaris Scientific Buyer, Inc., a Delaware corporation (as assignee of the rights, interests and obligations of PerkinElmer Topco, L.P. under the Purchase Agreement), PerkinElmer U.S. LLC, a Delaware limited liability company, and, solely with respect to Schedule 1.5 thereof, PerkinElmer Topco, L.P., a Delaware limited partnership, are party to that certain Amended and Restated Master Purchase and Sale Agreement dated as of March __, 2023 (as may be amended, restated, or otherwise modified from time to time, the “Purchase Agreement”);

WHEREAS, pursuant to the Intellectual Property Assignment Agreement, effective as of March 13, 2023, between Assignor and Assignee, Assignor has agreed to sell, transfer, convey, assign, and deliver to Assignee all of Assignor’s right, title, and interest in certain of the Assignor’s patents and patent applications, as set forth in Schedule A herein (collectively, “Patents”);

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

SECTION 1. Assignment. Assignor hereby irrevocably, absolutely, and unconditionally assigns, transfers, conveys, and delivers to Assignee all of Assignor’s right, title, and interest in the Patents, including: (a) all rights, priorities, and privileges of Assignor provided under the laws of all applicable jurisdictions, or any multinational law, compact, treaty, protocol, convention, or organization, with respect to the Patents, (b) all rights to maintain, file for, and obtain all applications, continuations, continuations-in-part, divisionals, renewals, provisionals, substitutions, extensions, reexaminations, and reissues for any of the Patents; and (c) all actions, rights, claims, counterclaims, proceedings, judgments, reimbursements, demands, causes of action, rights of recovery, choses in action, and rights of setoff of any kind (including those under warranties, guarantees, and indemnities), accruing or arising before, on, or after the Effective Date, to the extent relating to the Patents, including the right to collect royalties from third parties, damages, and other related income.

SECTION 2. Recordation. Assignor hereby authorizes Assignee to record this Assignment Agreement with the U.S. Patent and Trademark Office and any other relevant governmental authority so as to perfect its ownership of the Patents, and requests that the United States Commissioner of Patents and Trademarks record Assignee as assignee and owner of the Patents.

SECTION 3. Further Assurances. From and after the Effective Date, upon Assignee’s reasonable request and at Assignee’s expense, Assignor shall (and shall cause its Affiliates to) take all actions and execute all further documents as may be reasonably required to carry out the transactions contemplated by this Assignment Agreement.

SECTION 4. Miscellaneous.

a) Governing Law. This Assignment Agreement shall be governed by and construed in accordance with the internal Laws of the State of Delaware without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction) that would cause the application of Laws of any jurisdiction other than those of the State of Delaware.

b) Counterparts. This Assignment Agreement may be executed in two or more counterparts (including by facsimile or by an electronic scan delivered by electronic mail), each of which shall be deemed an original but all of which together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each Party hereto and delivered to the other Party, it being understood that each Party need not sign the same counterpart. This Assignment Agreement may be executed and delivered by facsimile or by an electronic scan delivered by electronic mail.

c) Purchase Agreement. In the event of any conflict between the terms of this Assignment Agreement and the Purchase Agreement, the Purchase Agreement shall control. Capitalized terms used but not defined herein shall have the meanings set forth in the Purchase Agreement.

[Signature Page Follows]

IN WITNESS WHEREOF, Assignor and Assignee have duly executed and delivered this Assignment Agreement as of the Effective Date.

AGREED AND ACCEPTED:

PerkinElmer Health Sciences Inc.

By: _____

Name: John L. Healy

Title: Vice President and Secretary

PerkinElmer U.S. LLC

By: _____

Name: John L. Healy

Title: Secretary

[Signature Page to US Patent Assignment Agreement]

SCHEDULE A

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
3141-P0469AUS1	Utility - NSPCT	USA	Issued	10/258,551	10/25/2002	7431884	10/07/2008	PerkinElmer Health Sciences, Inc.		Chemical Assays
03141-P0346DUS1	Utility - ORG	USA	Issued	10/370,910	02/20/2003	7145650	12/05/2006	PerkinElmer Health Sciences, Inc.		Method Of Instrument Standardization For A Spectroscopic Device
3141-P0438AUS1	Utility - ORG	USA	Issued	10/426,599	04/30/2003	6891156	05/10/2005	PerkinElmer Health Sciences, Inc.		Sample Plate For Matrix-Assisted Laser Desorption And Ionization Mass Spectrometry
3144-LAS1	Utility - ORG	USA	Issued	10/438,125	05/14/2003	7121519	10/17/2006	PerkinElmer Health Sciences, Inc.		Silicone Mould Tool
25947-0027US1	Utility - ORG	USA	Issued	10/448,477	05/30/2003	6919562	07/19/2005	PerkinElmer Health Sciences, Inc.		Fragmentation Methods For Mass Spectrometry

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
25947-0028US1	Utility - ORG	USA	Issued	10/448,495	05/30/2003	7034292	04/25/2006	PerkinElmer Health Sciences, Inc.		Mass Spectrometry With Segmented Rf Multiple Ion Guides In Various Pressure Regions
3141-P0418US2	Utility - CON	USA	Issued	10/621,942	07/17/2003	7459313	12/02/2008	PerkinElmer Health Sciences, Inc.		Method For Measuring Effective Temperature Inside A Sealed Container
3141-P0451AUS1	Utility - ORG	USA	Issued	10/628,537	07/28/2003	6860632	03/01/2005	PerkinElmer Health Sciences, Inc.		Instrument Material Holder And Method Of Fabrication Thereof
3141-P0445BUS1	Utility - ORG	USA	Issued	10/730,779	12/09/2003	7106438	09/12/2006	PerkinElmer Health Sciences, Inc.		ICP-OES And ICP-MS Induction Current
3141-P0438AUS2	Utility - DIV	USA	Issued	10/881,913	06/30/2004	6956209	10/18/2005	PerkinElmer Health Sciences, Inc.		Sample Plate For Matrix-Assisted Laser Desorption And Ionization Mass Spectrometry

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
3141-P0451AUS2	Utility - CON	USA	Issued	10/958,806	10/05/2004	7097352	08/29/2006	PerkinElmer Health Sciences, Inc.		Instrument Material Holder And Method Of Fabrication Thereof
41183US1	Utility - ORG	USA	Issued	11/040,535	01/21/2005	7595884	09/29/2009	PerkinElmer Health Sciences, Inc.		Measurement Of Sample Reflectance
3141-P0470BUS1	Utility - ORG	USA	Issued	11/054,755	02/10/2005	7371006	05/13/2008	PerkinElmer Health Sciences, Inc.		Differential Scanning Calorimeter (DSC) With Temperature Controlled Furnace
PKI-7093US1	Utility - ORG	USA	Issued	11/072,829	03/04/2005	7111494	09/26/2006	PerkinElmer Health Sciences, Inc.		Methods And Systems For Characterizing A Sorbent Tube
PKI-7093US2	Utility - ORG	USA	Issued	11/072,371	03/04/2005	7168296	01/30/2007	PerkinElmer Health Sciences, Inc.		Methods And Systems For Characterizing A Sorbent Tube
25947-0030US1	Utility - ORG	USA	Issued	11/132,953	05/19/2005	7232992	06/19/2007	PerkinElmer Health Sciences, Inc.		Charged Droplet Sprayers

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
25947-0031US1	Utility - ORG	USA	Issued	11/132,956	05/19/2005	7315021	01/01/2008	PerkinElmer Health Sciences, Inc.		Charged Droplet Spray Probe
25947-0032US1	Utility - ORG	USA	Issued	11/133,724	05/20/2005	7365317	04/29/2008	PerkinElmer Health Sciences, Inc.		RF Surfaces And RF Ion Guides
25947-0043US1	Utility - NSPCT	USA	Issued	11/155,150	06/17/2005	7731827	06/08/2010	PerkinElmer Health Sciences, Inc.	Capture Devices; Hans Jorvall	Method For Capturing Charged Molecules Traveling In A Flow Stream
25947-0027US2	Utility - CON	USA	Issued	11/184,387	07/19/2005	7049584	05/23/2006	PerkinElmer Health Sciences, Inc.		Fragmentation Methods For Mass Spectrometry
3141-P0486CUS1	Utility - ORG	USA	Issued	11/189,467	07/26/2005	7219532	05/22/2007	PerkinElmer Health Sciences, Inc.		System For Regulating Fluid Flowing Through Chromatographic Column
3141-P0438AUS3	Utility - CON	USA	Issued	11/207,393	08/19/2005	7173241	02/06/2007	PerkinElmer Health Sciences, Inc.		Sample Plate For Matrix-Assisted Laser Desorption And Ionization Mass Spectrometry

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
3141-P0445BUS2	Utility - CIP	USA	Issued	11/218,912	09/02/2005	7511246	03/31/2009	PerkinElmer Health Sciences, Inc.		Induction Device For Generating A Plasma
3141-P0452CUS1	Utility - ORG	USA	Issued	11/251,310	10/14/2005	7709267	05/04/2010	PerkinElmer Health Sciences, Inc.		System And Method For Extracting Headspace Vapor
3141-P0452CUS2	Utility - NSPCT	USA	Issued	11/251,187	10/14/2005	8182768	05/22/2012	PerkinElmer Health Sciences, Inc.		Interface Assembly For Pre-Concentrating Analytes In Chromatography
3141-P0464BUS1	Utility - NSPCT	USA	Issued	11/285,914	11/23/2005	7662630	02/16/2010	PerkinElmer Health Sciences, Inc.		Method For Verifying The Integrity Of Thermal Desorption Sampling Tubes
25947-0042US1	Utility - NSPCT	USA	Issued	11/792,689	12/06/2005	7902500	03/08/2011	PerkinElmer Health Sciences, Inc.	Hans Jorvall; Biomotif AB	Methods And Interfaces For Single And Multidimensional Separations For Characterization And/Or Identification Of Molecules By Mass Spectrometry

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
25947-0042US2	Utility - CON	USA	Issued	13/038,012	12/06/2005	8237117	08/07/2012	PerkinElmer Health Sciences, Inc.	Hans Jorrvall; Biomotif AB	Methods And Interfaces For Single And Multidimensional Separations For Characterization And/Or Identification Of Molecules By Mass Spectrometry
3141-P0492BUS1	Utility - ORG	USA	Issued	11/348,863	02/07/2006	7358485	04/15/2008	PerkinElmer Health Sciences, Inc.		Zirconia Toughened Alumina Composition And Use In Ion And Electron Optical Systems
PKI-7002US1	Utility - ORG	USA	Issued	11/372,996	03/10/2006	8633416	01/21/2014	PerkinElmer Health Sciences, Inc.		Plasmas And Methods Of Using Them
3141-P0468BUS1	Utility - ORG	USA	Issued	11/403,527	04/13/2006	8247239	08/21/2012	PerkinElmer Health Sciences, Inc.		System For Introducing Standard Gas Into Sample Container
3141-P0467BUS1	Utility - NSPCT	USA	Issued	11/407,480	04/20/2006	8404185	03/26/2013	PerkinElmer Health Sciences, Inc.		Adsorbent Housing With Separated Adsorption Outflow And Desorption Inflow

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
3141-P0494US1	Utility - ORG	USA	Issued	11/432,158	05/11/2006	7468095	12/23/2008	PerkinElmer Health Sciences, Inc.		System For Controlling Flow Into Chromatographic Column Using Transfer Line Impedance
25947-0027US3	Utility - CON	USA	Issued	11/435,034	05/16/2006	8334507	12/18/2012	PerkinElmer Health Sciences, Inc.		Fragmentation Methods For Mass Spectrometry
PKI-7093US3	Utility - DIV	USA	Issued	11/559,760	11/14/2006	7267709	09/11/2007	PerkinElmer Health Sciences, Inc.		Methods And Systems For Characterizing A Sorbent Tube
3141-P0486CUS2	Utility - CON	USA	Issued	11/751,327	05/21/2007	8297107	10/30/2012	PerkinElmer Health Sciences, Inc.		System For Regulating Fluid Flowing Through Chromatographic Column
25947-0036US1	Utility - ORG	USA	Issued	11/809,349	05/31/2007	8507850	08/13/2013	PerkinElmer Health Sciences, Inc.		Multipole Ion Guide Interface For Reduced Background Noise In Mass Spectrometry

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
P2021-7043US1	Utility - ORG	USA	Issued	11/841,054	08/20/2007	8104326	01/31/2012	PerkinElmer Health Sciences, Inc.		Methods And Devices For Circulating Air
PKI-7093US4	Utility - CON	USA	Issued	11/852,655	09/10/2007	7422625	09/09/2008	PerkinElmer Health Sciences, Inc.		Methods And Systems For Characterizing A Sorbent Tube
3141-P0470BUS2	Utility - CON	USA	Issued	11/931,163	10/31/2007	7448796	11/11/2008	PerkinElmer Health Sciences, Inc.		Differential Scanning Calorimeter (DSC) With Temperature Controlled Furnace
25947-0031US2	Utility - CON	USA	Issued	11/965,448	12/27/2007	7528369	05/05/2009	PerkinElmer Health Sciences, Inc.		Charged Droplet Spray Probe
P2024-7005US1	Utility - ORG	USA	Issued	12/058,921	03/31/2008	8042992	10/25/2011	PerkinElmer Health Sciences, Inc.	Anatech BV	Sensor For Thermal Analysis And Systems Including Same
25947-0032US2	Utility - CON	USA	Issued	12/111,484	04/29/2008	7786435	08/31/2010	PerkinElmer Health Sciences, Inc.		RF Surfaces And RF Ion Guides

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
PERTEN-001US1	Utility - NSPCT	USA	Issued	12/996,164	06/04/2008	9057666	06/16/2015	PerkinElmer Health Sciences, Inc.		Method Of And Apparatus For Measuring Viscous And Elastic Properties Of A Gluten-Containing Substance
PKI-7093US5	Utility - CON	USA	Issued	12/206,419	09/08/2008	7824478	11/02/2010	PerkinElmer Health Sciences, Inc.		Methods And Systems For Characterizing A Sorbent Tube
25947-0039001	Utility - ORG	USA	Issued	12/234,954	09/22/2008	8380775	02/19/2013	PerkinElmer Health Sciences, Inc.		Finite Differences Methods
3141-P0494US2	Utility - CON	USA	Issued	12/332,539	12/11/2008	7691181	04/06/2010	PerkinElmer Health Sciences, Inc.		System For Controlling Flow Into Chromatographic Column Using Transfer Line Impedance
3141-P0445BUS3	Utility - CON	USA	Issued	12/343,034	12/23/2008	8263897	09/11/2012	PerkinElmer Health Sciences, Inc.		Induction Device
25947-0035US2	Utility - DIV	USA	Issued	12/368,712	02/10/2009	8080783	12/20/2011	PerkinElmer Health Sciences, Inc.	Chem-Space Associates, Inc.	Atmospheric Pressure Ion Source For Mass Spectrometry
101117-0091US1	Utility - ORG	USA	Issued	12/431,886	04/29/2009	8281673	10/09/2012	PerkinElmer Health Sciences, Inc.		Permeable Wall Sample Holder And Related Methods

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
P2024-7006US1	Utility - ORG	USA	Issued	12/471,787	05/26/2009	8873036	10/28/2014	PerkinElmer Health Sciences, Inc.		Optical Devices And Systems For Use In Spectroscopy
PKI-7007US1	Utility - ORG	USA	Issued	12/472,948	05/27/2009	8303694	11/06/2012	PerkinElmer Health Sciences, Inc.		Chromatography Systems And Methods Using Them
25947-0041US1	Utility - ORG	USA	Issued	12/474,379	05/29/2009	7982185	07/19/2011	PerkinElmer Health Sciences, Inc.		Single And Multiple Operating Mode Ion Sources With Atmospheric Pressure Chemical Ionization
P2024-7004US1	Utility - ORG	USA	Issued	12/478,381	06/04/2009	8130376	03/06/2012	PerkinElmer Health Sciences, Inc.		Optical Devices, Spectroscopic Systems And Methods For Detecting Scattered Light
P2000-7005US1	Utility - ORG	USA	Issued	12/479,105	06/05/2009	8231267	07/31/2012	PerkinElmer Health Sciences, Inc.		Calorimeter And Methods Of Using It And Control Systems Therefor

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
101117-0092US1	Utility - ORG	USA	Issued	12/508,963	07/24/2009	8227764	07/24/2012	PerkinElmer Health Sciences, Inc.		Yttria-Metal Thermionic Filaments
41183US2	Utility - CON	USA	Issued	12/552,006	09/01/2009	8345235	01/01/2013	PerkinElmer Health Sciences, Inc.		Measurement Of Sample Reflectance
PKI-7010US1	Utility - ORG	USA	Issued	12/573,048	10/02/2009	8388736	03/05/2013	PerkinElmer Health Sciences, Inc.		Sorbent Devices And Methods Of Using Them
50320US1	Utility - NSPCT	USA	Issued	13/145,266	01/20/2010	9213008	12/15/2015	PerkinElmer Health Sciences, Inc.	PerkinElmer Singapore PTE Ltd	Differential Scanning Calorimetry And Calibration Methods For Use Therewith
PKI-7014US1	Utility - ORG	USA	Issued	12/729,432	03/23/2010	8561484	10/22/2013	PerkinElmer Health Sciences, Inc.		Sorbent Devices With Longitudinal Diffusion Paths And Methods Of Using Them
101117-0094US1	Utility - ORG	USA	Issued	12/730,797	03/24/2010	8296962	10/30/2012	PerkinElmer Health Sciences, Inc.		System And Auto-Alignment Method For Determining Position Using A Discrete Contact Probe

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
6162-00501	Utility - ORG	USA	Issued	12/833,580	07/09/2010	8637269	01/28/2014	PerkinElmer Health Sciences, Inc.		Method For The Detection Of Melamine
25947-0038US2	Utility - CON	USA	Issued	12/879,532	09/10/2010	8525105	09/03/2013	PerkinElmer Health Sciences, Inc.		Atmospheric Pressure Ion Source Performance Enhancement
PKI-7012US1	Utility - ORG	USA	Issued	12/900,574	10/08/2010	9349580	05/24/2016	PerkinElmer Health Sciences, Inc.		Coupling Devices And Source Assemblies Including Them
PKI-7011US1	Utility - ORG	USA	Issued	12/902,391	10/12/2010	8916821	12/23/2014	PerkinElmer Health Sciences, Inc.		Assemblies For Ion And Electron Sources And Methods Of Use
101117-0090US1	Utility - ORG	USA	Issued	12/949,383	11/18/2010	8541741	09/24/2013	PerkinElmer Health Sciences, Inc.		Photonic Measurement Instrument Using Fiber Optics
220058.410US1	Utility - ORG	USA	Issued	12/962,342	12/07/2010	8599375	12/03/2013	PerkinElmer Health Sciences, Inc.		Atomic Absorption Instrument

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
220058,411US1	Utility - ORG	USA	Issued	12/982,749	12/30/2010	8575855	11/05/2013	PerkinElmer Health Sciences, Inc.	PerkinElmer Singapore PTE Ltd	Hollow Cathode Lamp Elapsed Time Recording System
25947-0037US2	Utility - CON	USA	Issued	13/006,934	01/14/2011	8487243	07/16/2013	PerkinElmer Health Sciences, Inc.		Sample Component Trapping, Release, And Separation With Membrane Assemblies Interfaced To Electrospray Mass Spectrometry
EGGA-041-101	Utility - ORG	USA	Issued	13/033,256	02/23/2011	9105457	08/11/2015	PerkinElmer Health Sciences, Inc.		Cone-Shaped Orifice Arrangement For Inductively Coupled Plasma Sample Introduction System
PKI-7015US1	Utility - ORG	USA	Issued	13/035,316	02/25/2011	9824876	11/21/2017	PerkinElmer Health Sciences, Inc.		Fluid Chromatography Injectors And Injector Inserts
PKI-7016US1	Utility - ORG	USA	Issued	13/035,938	02/26/2011	8951471	02/10/2015	PerkinElmer Health Sciences, Inc.		Jet Assembly For Use In Detectors And Other Devices

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
PKI-7009US1	Utility - ORG	USA	Issued	13/100,490	05/04/2011	8786394	07/22/2014	PerkinElmer Health Sciences, Inc.		Oxidation Resistant Induction Devices
PKI-7013US1	Utility - ORG	USA	Issued	13/100,416	05/04/2011	8829386	09/09/2014	PerkinElmer Health Sciences, Inc.		Inductive Devices And Low Flow Plasmas Using Them
PKI-7019US1	Utility - ORG	USA	Issued	13/158,953	06/13/2011	8794053	08/05/2014	PerkinElmer Health Sciences, Inc.		Fluidic Devices And Methods Using Them
25947-0041US2	Utility - ORG	USA	Issued	13/183,693	07/15/2011	8502140	08/06/2013	PerkinElmer Health Sciences, Inc.		Single And Multiple Operating Mode Ion Sources With Atmospheric Pressure Chemical Ionization
25947-0035US3	Utility - DIV	USA	Issued	13/218,800	08/26/2011	8723110	05/13/2014	PerkinElmer Health Sciences, Inc.	Chem-Space Associates, Inc.	Atmospheric Pressure Ion Source For Mass Spectrometry
PKI-7022US1	Utility - ORG	USA	Issued	13/238,882	09/21/2011	8562837	10/22/2013	PerkinElmer Health Sciences, Inc.		Backflush Methods And Devices For Chromatography

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
P2024-7005US2	Utility - CON	USA	Issued	13/240,281	09/22/2011	8840300	09/23/2014	PerkinElmer Health Sciences, Inc.	Anatech BV	Sensor For Thermal Analysis And Systems Including Same
PKI-7024AUS2	Utility - CON	USA	Issued	13/277,594	10/20/2011	8426804	04/23/2013	PerkinElmer Health Sciences, Inc.		Multimode Cells And Methods Of Using Them
P2021-7043US2	Utility - CON	USA	Issued	13/335,150	12/22/2011	8701464	04/22/2014	PerkinElmer Health Sciences, Inc.		Methods And Devices For Circulating Air
PKI-7027US1	Utility - ORG	USA	Issued	13/349,859	01/13/2012	9600001	03/21/2017	PerkinElmer Health Sciences, Inc.		Devices, Systems And Methods For Purging And Loading Sorbent Tubes
PKI-7023US1	Utility - ORG	USA	Issued	13/351,892	01/17/2012	8966957	03/03/2015	PerkinElmer Health Sciences, Inc.		Flow Control Devices And Their Use With Explosive Carrier Gases
029-2011US1	Utility - ORG	USA	Issued	13/410,646	03/02/2012	8921803	12/30/2014	PerkinElmer Health Sciences, Inc.		Electrostatic Lenses And Systems Including The Same

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220058-902	Design - ORG	USA	Issued	29/415,130	03/07/2012	D675748	02/05/2013	PerkinElmer Health Sciences, Inc.	Teledyne Cetac Technologies	Testing Rack
101117-0096US1	Utility - ORG	USA	Issued	13/450,762	04/19/2012	8642954	02/04/2014	PerkinElmer Health Sciences, Inc.		Sample Introduction Method And System For Atomic Spectrometry
026-2011US1	Utility - ORG	USA	Issued	13/487,037	06/01/2012	9240311	01/19/2016	PerkinElmer Health Sciences, Inc.		Apparatus For Analysis Of Sample Chemical Species Featuring Multiple Sample Placement Locations
25947-0037US4	Utility - CON	USA	Issued	13/526,932	06/19/2012	8455817	06/04/2013	PerkinElmer Health Sciences, Inc.		Sample Component Trapping, Release, And Separation With Membrane Assemblies Interfaced To Electrospray Mass Spectrometry
PKI-7026US1	Utility - ORG	USA	Issued	13/550,732	07/17/2012	9053913	06/09/2015	PerkinElmer Health Sciences, Inc.		Positioning Guides And Ion Sources

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3141-P0445BUS4	Utility - CON	USA	Issued	13/602,267	09/03/2012	8742283	06/03/2014	PerkinElmer Health Sciences, Inc.		Induction Device
PKI-7007US2	Utility - CON	USA	Issued	13/657,079	10/22/2012	8721768	05/13/2014	PerkinElmer Health Sciences, Inc.		Chromatography Systems And Methods Using Them
PKI-7034US1	Utility - ORG	USA	Issued	13/662,500	10/28/2012	9412572	08/09/2016	PerkinElmer Health Sciences, Inc.		Sample Holders And Methods Of Using Them
PKI-7032US1	Utility - ORG	USA	Issued	13/662,745	10/29/2012	9117641	08/25/2015	PerkinElmer Health Sciences, Inc.		Direct Sample Analysis Device Adapters And Methods Of Using Them
PKI-7033US1	Utility - ORG	USA	Issued	13/662,801	10/29/2012	9733156	08/15/2017	PerkinElmer Health Sciences, Inc.		Sample Platforms And Methods Of Using Them
25947-0027US4	Utility - CON	USA	Issued	13/714,089	12/13/2012	8686356	04/01/2014	PerkinElmer Health Sciences, Inc.		Fragmentation Methods For Mass Spectrometry

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2010467-0026US1	Utility - ORG	USA	Issued	13/751,871	01/28/2013	9410926	08/09/2016	PerkinElmer Health Sciences, Inc.		Methods And Apparatus For Identification Of Polymeric Species From Mass Spectrometry Output
PKI-7010US2	Utility - CON	USA	Issued	13/778,594	02/27/2013	9186613	11/17/2015	PerkinElmer Health Sciences, Inc.		Sorbent Devices And Methods Of Using Them
012-2012US1	Utility - ORG	USA	Issued	13/781,025	02/28/2013	8760658	06/24/2014	PerkinElmer Health Sciences, Inc.		Flow Cell Modules And Liquid Sample Analyzers And Methods Including Same
9888-06US1	Utility - ORG	USA	Issued	13/780,984	02/28/2013	8797528	08/05/2014	PerkinElmer Health Sciences, Inc.		Flow Cell Assembly For Liquid Sample Analyzer
9888-09US1	Utility - ORG	USA	Issued	13/781,183	02/28/2013	9007595	04/14/2015	PerkinElmer Health Sciences, Inc.		Lamp Temperature Management Systems And Methods For Liquid Chromatography Analyzers

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9888-039US1	Utility - ORG	USA	Issued	13/793,555	03/11/2013	9640374	05/02/2017	PerkinElmer Health Sciences, Inc.		Deconvolution And Identification Algorithms For Use On Spectroscopic Data
9888-040	Utility - ORG	USA	Issued	13/794,144	03/11/2013	9322750	04/26/2016	PerkinElmer Health Sciences, Inc.		Needle Trap For Use With A Gas Chromatograph-Mass Spectrometer For Field Sampling And Analysis
25947-0055	Utility - ORG	USA	Issued	13/828,512	03/14/2013	8975580	03/10/2015	PerkinElmer Health Sciences, Inc.		Orthogonal Acceleration System For Time-Of-Flight Mass Spectrometer
PKI-7024AUS3	Utility - CON	USA	Issued	13/854,458	04/01/2013	8884217	11/11/2014	PerkinElmer Health Sciences, Inc.		Multimode Cells And Methods Of Using Them
25947-0036US2	Utility - ORG	USA	Issued	13/932,716	07/01/2013	8723107	05/13/2014	PerkinElmer Health Sciences, Inc.		Multipole Ion Guide Interface For Reduced Background Noise In Mass Spectrometry

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PKI-7030US1	Utility - ORG	USA	Issued	13/940,077	07/11/2013	9259798	02/16/2016	PerkinElmer Health Sciences, Inc.		Torches And Methods Of Using Them
25947-0037US5	Utility - ORG	USA	Issued	13/942,548	07/15/2013	9302225	04/05/2016	PerkinElmer Health Sciences, Inc.		Sample Component Trapping, Release, And Separation With Membrane Assemblies Interfaced To Electrospray Mass Spectrometry
25947-0041US3	Utility - ORG	USA	Issued	13/959,243	08/05/2013	8853624	10/07/2014	PerkinElmer Health Sciences, Inc.		Single And Multiple Operating Mode Ion Sources With Atmospheric Pressure Chemical Ionization
PKI-7036US1	Utility - ORG	USA	Issued	14/082,512	11/18/2013	9269552	02/23/2016	PerkinElmer Health Sciences, Inc.		Ion Detectors And Methods Of Using Them
PKI-7050US1	Utility - ORG	USA	Issued	14/082,685	11/18/2013	9396914	07/19/2016	PerkinElmer Health Sciences, Inc.		Optical Detectors And Methods Of Using Them

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BLOO-008US1	Utility - ORG	USA	Issued	14/086,396	11/21/2013	9127301	09/08/2015	PerkinElmer Health Sciences, Inc.		Method Of Detecting The Presence Of Polycyclic Aromatic Hydrocarbons
PKI-7047US1	Utility - CIP	USA	Issued	14/095,300	12/03/2013	9516735	12/06/2016	PerkinElmer Health Sciences, Inc.		Torches And Methods Of Using Them
PKI-7002US2	Utility - CON	USA	Issued	14/158,836	01/19/2014	10368427	07/30/2019	PerkinElmer Health Sciences, Inc.		Plasmas And Methods Of Using Them
2014-004US1	Utility - ORG	USA	Issued	14/181,348	02/14/2014	9754774	09/05/2017	PerkinElmer Health Sciences, Inc.		Systems And Methods For Automated Analysis Of Output In Single Particle Inductively Coupled Plasma Mass Spectrometry And Similar Data Sets
25947-0056	Utility - ORG	USA	Issued	14/209,982	03/13/2014	9129790	09/08/2015	PerkinElmer Health Sciences, Inc.		Orthogonal Acceleration Tof With Ion Guide Mode

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PKI-7037US1	Utility - ORG	USA	Issued	14/209,128	03/13/2014	10746710	08/18/2020	PerkinElmer Health Sciences, Inc.		Devices, Systems And Methods For Analyzing Fluid Streams
PKI-7038US1	Utility - ORG	USA	Issued	14/208,699	03/13/2014	9565747	02/07/2017	PerkinElmer Health Sciences, Inc.		Asymmetric Induction Devices And Systems And Methods Using Them
25947-0035US4	Utility - DIV	USA	Issued	14/226,101	03/26/2014	9299553	03/29/2016	PerkinElmer Health Sciences, Inc.	Chem-Space Associates, Inc.	Atmospheric Pressure Ion Source For Mass Spectrometry
25947-0027US5	Utility - CON	USA	Issued	14/229,489	03/28/2014	8981290	03/17/2015	PerkinElmer Health Sciences, Inc.		Fragmentation Methods For Mass Spectrometry
PKI-7039US1	Utility - ORG	USA	Issued	14/246,833	04/07/2014	9504137	11/22/2016	PerkinElmer Health Sciences, Inc.		Capacitively Coupled Devices And Oscillators
PKI-7007US3	Utility - CON	USA	Issued	14/275,334	05/12/2014	9423383	08/23/2016	PerkinElmer Health Sciences, Inc.		Chromatography Systems And Methods Using Them

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012-2012US2	Utility - CON	USA	Issued	14/276,509	05/13/2014	9091629	07/28/2015	PerkinElmer Health Sciences, Inc.		Flow Cell Modules And Liquid Sample Analyzers And Methods Including Same
9888-06US2	Utility - ORG	USA	Issued	14/281,351	05/19/2014	8947654	02/03/2015	PerkinElmer Health Sciences, Inc.		Flow Cell Assembly For Liquid Sample Analyzer
3141-P0445BUS5	Utility - CON	USA	Issued	14/287,093	05/26/2014	9360430	06/07/2016	PerkinElmer Health Sciences, Inc.		Induction Device
PKI-7042US1	Utility - ORG	USA	Issued	14/289,822	05/29/2014	9355832	05/31/2016	PerkinElmer Health Sciences, Inc.		Reflectrons And Methods Of Producing And Using Them
PKI-7043US1	Utility - ORG	USA	Issued	14/291,417	05/30/2014	9384954	07/05/2016	PerkinElmer Health Sciences, Inc.		Time Of Flight Tubes And Methods Of Using Them
2013-009US1	Utility - ORG	USA	Issued	14/292,920	06/01/2014	9368334	06/14/2016	PerkinElmer Health Sciences, Inc.		Collision Cells And Methods Of Using Them

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
040-2013US1	Utility - ORG	USA	Issued	14/293,457	06/02/2014	9922810	03/20/2018	PerkinElmer Health Sciences, Inc.		Systems And Methods For Detection And Quantification Of Selenium And Silicon In Samples
PKI-7045US1	Utility - ORG	USA	Issued	14/293,073	06/02/2014	9355831	05/31/2016	PerkinElmer Health Sciences, Inc.		Ion Guide Or Filters With Selected Gas Conductance
PKI-7009US2	Utility - CON	USA	Issued	14/335,999	07/21/2014	9433072	08/30/2016	PerkinElmer Health Sciences, Inc.		Oxidation Resistant Induction Devices
PKI-7019US2	Utility - CON	USA	Issued	14/450,323	08/04/2014	9751040	09/05/2017	PerkinElmer Health Sciences, Inc.		Fluidic Devices And Methods Using Them
PKI-7013US2	Utility - CON	USA	Issued	14/479,355	09/07/2014	9198275	11/24/2015	PerkinElmer Health Sciences, Inc.		Inductive Devices And Low Flow Plasmas Using Them
PKI-7041US1	Utility - ORG	USA	Issued	14/499,383	09/29/2014	10024829	07/17/2018	PerkinElmer Health Sciences, Inc.		Manifolds And Methods Of Using Them To Control Fluid Flows

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2014-007US1	Utility - ORG	USA	Issued	14/501,544	09/30/2014	9581491	02/28/2017	PerkinElmer Health Sciences, Inc.		Flow Cell Modules And Liquid Sample Analyzers And Methods Including Same
9888-15US1	Utility - ORG	USA	Issued	14/501,495	09/30/2014	9500588	11/22/2016	PerkinElmer Health Sciences, Inc.		Flow Cell Modules And Liquid Sample Analyzers And Methods Including Same
PKI-7040US1	Utility - ORG	USA	Issued	14/520,446	10/22/2014	9420679	08/16/2016	PerkinElmer Health Sciences, Inc.		Hybrid Generators And Methods Of Using Them
PKI-7052US3	Utility - CIP	USA	Issued	14/531,661	11/03/2014	9190253	11/17/2015	PerkinElmer Health Sciences, Inc.		Systems And Methods Of Suppressing Unwanted Ions
PKI-7048US1	Utility - ORG	USA	Issued	14/552,303	11/24/2014	9847214	12/19/2017	PerkinElmer Health Sciences, Inc.		Detectors And Methods Of Using Them
9888-12US1	Utility - ORG	USA	Issued	14/572,847	12/17/2014	9638675	05/02/2017	PerkinElmer Health Sciences, Inc.		Gas Chromatography Oven And Systems And Methods Including Same

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9888-06US3	Utility - CON	USA	Issued	14/576,876	12/19/2014	9025142	05/05/2015	PerkinElmer Health Sciences, Inc.		Flow Cell Assembly For Liquid Sample Analyzer
PKI-7011US2	Utility - CON	USA	Issued	14/578,455	12/21/2014	9263243	02/16/2016	PerkinElmer Health Sciences, Inc.		Assemblies For Ion And Electron Sources And Methods Of Use
PKI-7046US1	Utility - ORG	USA	Issued	14/603,480	01/23/2015	9433073	08/30/2016	PerkinElmer Health Sciences, Inc.		Induction Devices And Methods Of Using Them
25947-0055	Utility - ORG	USA	Issued	14/610,003	01/30/2015	9177777	11/03/2015	PerkinElmer Health Sciences, Inc.		Orthogonal Acceleration System For Time-Of-Flight Mass Spectrometer
PKI-7016US2	Utility - CON	USA	Pending	14/615,207	02/05/2015			PerkinElmer Health Sciences, Inc.		Jet Assembly For Use In Detectors And Other Devices

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PRK-024US1	Utility - ORG	USA	Issued	14/622,132	02/13/2015	10181394	01/15/2019	PerkinElmer Health Sciences, Inc.		Systems And Methods For Automated Optimization Of A Multi-Mode Inductively Coupled Plasma Mass Spectrometer
2015-009US1	Utility - ORG	USA	Issued	14/626,222	02/19/2015	9810668	11/07/2017	PerkinElmer Health Sciences, Inc.		Autosampler And Gas Chromatography System And Method Including Same
PKI-7023US2	Utility - CON	USA	Issued	14/634,856	03/01/2015	9983104	05/29/2018	PerkinElmer Health Sciences, Inc.		Flow Control Devices And Their Use With Explosive Carrier Gases
9888-09US2	Utility - CON	USA	Issued	14/644,262	03/11/2015	9267928	02/23/2016	PerkinElmer Health Sciences, Inc.		Lamp Temperature Management Systems And Methods For Liquid Chromatography Analyzers
PKI-7026US2	Utility - CON	USA	Issued	14/731,777	06/05/2015	9927407	03/27/2018	PerkinElmer Health Sciences, Inc.		Positioning Guides And Ion Sources

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25947-0058US1	Utility - ORG	USA	Issued	14/734,916	06/09/2015	9613788	04/04/2017	PerkinElmer Health Sciences, Inc.		RF Ion Guide With Axial Fields
012-2012US3	Utility - CON	USA	Issued	14/742,066	06/17/2015	9228934	01/05/2016	PerkinElmer Health Sciences, Inc.		Flow Cell Modules And Liquid Sample Analyzers And Methods Including Same
PKI-7032US2	Utility - CON	USA	Issued	14/810,320	07/27/2015	9748084	08/29/2017	PerkinElmer Health Sciences, Inc.		Direct Sample Analysis Device Adapters And Methods Of Using Them
PKI-7097US1	Utility - ORG	USA	Issued	14/821,279	08/07/2015	10184921	01/22/2019	PerkinElmer Health Sciences, Inc.		Gas Chromatograph Column Connection Device
BIOO-006US1	Utility - ORG	USA	Issued	14/833,886	08/24/2015	10871484	12/22/2020	PerkinElmer Health Sciences, Inc.		Enzymatic Method For Detecting Polyaromatic Hydrocarbons

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25947-0055	Utility - CON	USA	Issued	14/928,793	10/30/2015	9576782	02/21/2017	PerkinElmer Health Sciences, Inc.		Orthogonal Acceleration System For Time-Of-Flight Mass Spectrometer
PKI-7010US3	Utility - CON	USA	Issued	14/941,753	11/16/2015	9914087	03/13/2018	PerkinElmer Health Sciences, Inc.		Sorbent Devices And Methods Of Using Them
PKI-7052US1	Utility - CON	USA	Issued	14/941,748	11/16/2015	9589780	03/07/2017	PerkinElmer Health Sciences, Inc.		Systems And Methods Of Suppressing Unwanted Ions
PKI-7013US3	Utility - CON	USA	Issued	14/948,448	11/23/2015	9649716	05/16/2017	PerkinElmer Health Sciences, Inc.		Inductive Devices And Low Flow Plasmas Using Them
PKI-7036US2	Utility - CON	USA	Issued	14/970,649	12/16/2015	9625417	04/18/2017	PerkinElmer Health Sciences, Inc.		Ion Detectors And Methods Of Using Them
PKI-7011US3	Utility - CON	USA	Issued	15/042,273	02/12/2016	9653274	05/16/2017	PerkinElmer Health Sciences, Inc.		Assemblies For Ion And Electron Sources And Methods Of Use
PKI-7030US2	Utility - CON	USA	Issued	15/042,261	02/12/2016	9686849	06/20/2017	PerkinElmer Health Sciences, Inc.		Torches And Methods Of Using Them

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PKI-7046US2	Utility - CON	USA	Issued	15/087,643	03/31/2016	9591737	03/07/2017	PerkinElmer Health Sciences, Inc.		Induction Devices And Methods Of Using Them
PKI-7040US2	Utility - CIP	USA	Issued	15/140,294	04/27/2016	9635750	04/25/2017	PerkinElmer Health Sciences, Inc.		Oscillator Generators And Methods Of Using Them
PKI-7058US1	Utility - ORG	USA	Issued	15/143,814	05/02/2016	10222242	03/05/2019	PerkinElmer Health Sciences, Inc.		Encoders, Encoding Methods, And Systems And Devices Using Them
PKI-7059US1	Utility - ORG	USA	Issued	15/143,715	05/02/2016	10359444	07/23/2019	PerkinElmer Health Sciences, Inc.		Autosamplers, Autoloaders And Systems And Devices Using Them
PKI-7012US2	Utility - CON	USA	Issued	15/154,330	05/13/2016	10978286	04/13/2021	PerkinElmer Health Sciences, Inc.		Coupling Devices And Source Assemblies Including Them
PKI-7045US2	Utility - CON	USA	Issued	15/153,816	05/13/2016	9818592	11/14/2017	PerkinElmer Health Sciences, Inc.		Ion Guide Or Filters With Selected Gas Conductance
2013-009US2	Utility - CON	USA	Issued	15/155,032	05/15/2016	10103013	10/16/2018	PerkinElmer Health Sciences, Inc.		Collision Cells And Methods Of Using Them

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PKI-7042US2	Utility - CON	USA	Issued	15/155,034	05/15/2016	9859106	01/02/2018	PerkinElmer Health Sciences, Inc.		Reflections And Methods Of Producing And Using Them
PKI-7043US2	Utility - CON	USA	Issued	15/169,952	06/01/2016	9899202	02/20/2018	PerkinElmer Health Sciences, Inc.		Time Of Flight Tubes And Methods Of Using Them
PKI-7048US2	Utility - CON	USA	Issued	15/170,320	06/01/2016	10290478	05/14/2019	PerkinElmer Health Sciences, Inc.		Detectors And Methods Of Using Them
3141-P0445BUS6	Utility - CON	USA	Issued	15/172,886	06/03/2016	9810636	11/07/2017	PerkinElmer Health Sciences, Inc.		Induction Device
PKI-7050US2	Utility - CON	USA	Issued	15/187,926	06/21/2016	10229820	03/12/2019	PerkinElmer Health Sciences, Inc.		Optical Detectors And Methods Of Using Them
002-2015US1	Utility - ORG	USA	Issued	15/194,982	06/28/2016	10753913	08/25/2020	PerkinElmer Health Sciences, Inc.		Chromatography Systems With Mobile Phase Generators

File No.	Matter Type	Country	Status	Appl. No.	Date Filed	Patent No.	Grant Date	Assignor	Co-owner(s)	Title
PKI-7034US2	Utility - CON	USA	Issued	15/197,194	06/29/2016	9927335	03/27/2018	PerkinElmer Health Sciences, Inc.		Sample Holders And Methods Of Using Them
2010467-0026US2	Utility - CON	USA	Issued	15/198,755	06/30/2016	10068063	09/04/2018	PerkinElmer Health Sciences, Inc.		Methods And Apparatus For Identification Of Polymeric Species From Mass Spectrometry Output
PKI-7040US4	Utility - CON	USA	Issued	15/206,675	07/11/2016	9648717	05/09/2017	PerkinElmer Health Sciences, Inc.		Hybrid Generators And Methods Of Using Them
PKI-7007US4	Utility - CON	USA	Issued	15/209,427	07/13/2016	10309939	06/04/2019	PerkinElmer Health Sciences, Inc.		Chromatography Systems And Methods Using Them
PKI-7009US3	Utility - CON	USA	Issued	15/249,634	08/29/2016	10096457	10/09/2018	PerkinElmer Health Sciences, Inc.		Oxidation Resistant Induction Devices
PKI-7039US2	Utility - CON	USA	Issued	15/293,903	10/14/2016	10375810	08/06/2019	PerkinElmer Health Sciences, Inc.		Capacitively Coupled Devices And Oscillators

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2015-005US1	Utility - ORG	USA	Issued	15/338,360	10/29/2016	10379089	08/13/2019	PerkinElmer Health Sciences, Inc.		Thermal Gradient Chromatography Devices And Methods Of Using Them
PKI-7047US2	Utility - CON	USA	Issued	15/341,799	11/02/2016	10187967	01/22/2019	PerkinElmer Health Sciences, Inc.		Torches And Methods Of Using Them
PKI-7038US2	Utility - CON	USA	Issued	15/400,129	01/06/2017	10375811	08/06/2019	PerkinElmer Health Sciences, Inc.		Asymmetric Induction Devices And Systems And Methods Using Them
25947-0058US2	Utility - CON	USA	Issued	15/445,891	02/28/2017	10032617	07/24/2018	PerkinElmer Health Sciences, Inc.		RF Ion Guide With Axial Fields
PKI-7046US3	Utility - CON	USA	Issued	15/444,809	02/28/2017	9848486	12/19/2017	PerkinElmer Health Sciences, Inc.		Induction Devices And Methods Of Using Them
PKI-7052US2	Utility - CON	USA	Issued	15/444,792	02/28/2017	9916971	03/13/2018	PerkinElmer Health Sciences, Inc.		Systems And Methods Of Suppressing Unwanted Ions

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PKI-7027US2	Utility - CON	USA	Issued	15/462,869	03/19/2017	10591936	03/17/2020	PerkinElmer Health Sciences, Inc.		Devices, Systems And Methods For Purging And Loading Sorbent Tubes
PKI-7036US3	Utility - CON	USA	Issued	15/476,175	03/31/2017	10395905	08/27/2019	PerkinElmer Health Sciences, Inc.		Ion Detectors And Methods Of Using Them
PKI-7040US3	Utility - CON	USA	Issued	15/476,092	03/31/2017	10104754	10/16/2018	PerkinElmer Health Sciences, Inc.		Oscillator Generators And Methods Of Using Them
006-2015US1	Utility - ORG	USA	Issued	15/481,572	04/07/2017	10578097	03/03/2020	PerkinElmer Health Sciences, Inc.		Peristaltic Pumps And Related Methods
PKI-7040US5	Utility - CON	USA	Issued	15/588,916	05/08/2017	9942974	04/10/2018	PerkinElmer Health Sciences, Inc.		Hybrid Generators And Methods Of Using Them
PKI-7063US1	Utility - ORG	USA	Issued	15/603,766	05/24/2017	10327319	06/18/2019	PerkinElmer Health Sciences, Inc.		Counterflow Sample Introduction And Devices, Systems And Methods Using It

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PKI-7030US3	Utility - CON	USA	Issued	15/626,366	06/19/2017	10470286	11/05/2019	PerkinElmer Health Sciences, Inc.		Torches And Methods Of Using Them
9888-041US1	Utility - ORG	USA	Issued	15/636,362	06/28/2017	11567041	01/31/2023	PerkinElmer Health Sciences, Inc.		Low Thermal Mass Gc Module
002-2016US1	Utility - ORG	USA	Issued	15/653,173	07/18/2017	10598637	03/24/2020	PerkinElmer Health Sciences, Inc.		Automated Thermal Desorption Systems Configured To Determine Sample Tube Orientation And/Or Cap Presence, And Related Methods
2014-004US2	Utility - DIV	USA	Issued	15/663,446	07/28/2017	10431444	10/01/2019	PerkinElmer Health Sciences, Inc.		Systems And Methods For Automated Analysis Of Output In Single Particle Inductively Coupled Plasma Mass Spectrometry And Similar Data Sets

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PKI-7019US3	Utility - CON	USA	Issued	15/694,882	09/04/2017	10399030	09/03/2019	PerkinElmer Health Sciences, Inc.		Fluidic Devices And Methods For Modulating Flow Of Fluid In Chromatography System To Provide Tree Way Switching
2016-005US1	Utility - ORG	USA	Issued	15/728,390	10/09/2017	11154794	10/26/2021	PerkinElmer Health Sciences, Inc.		Sampling Pumps And Closed Loop Control Of Sampling Pumps To Load Traps
PKI-7015US2	Utility - CON	USA	Pending	15/802,630	11/03/2017			PerkinElmer Health Sciences, Inc.		Fluid Chromatography Injectors And Injector Inserts
PKI-7068US1	Utility - ORG	USA	Published	15/808,437	11/09/2017			PerkinElmer Health Sciences, Inc.		Connectors And Connector Assemblies And Devices And Instruments Including Them
PKI-7046US4	Utility - CON	USA	Issued	15/843,481	12/15/2017	10104755	10/16/2018	PerkinElmer Health Sciences, Inc.		Induction Devices And Methods Of Using Them

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040-2013US2	Utility - DIV	USA	Issued	15/873,661	01/17/2018	10573503	02/25/2020	PerkinElmer Health Sciences, Inc.		Systems And Methods For Detection And Quantification Of Selenium And Silicon In Samples
035-2016US1	Utility - ORG	USA	Published	15/885,674	01/31/2018			PerkinElmer Health Sciences, Inc.		Coiled Wire Sampler
030-2017US1	Utility - ORG	USA	Issued	15/937,959	03/28/2018	10816516	10/27/2020	PerkinElmer Health Sciences, Inc.		Autosamplers And Gas Chromatographic Systems And Methods Including Same
25947-0059US1	Utility - ORG	USA	Issued	15/940,431	03/29/2018	10692712	06/23/2020	PerkinElmer Health Sciences, Inc.		Ion Transfer From Electron Ionization Sources
9888-24US1	Utility - ORG	USA	Issued	15/949,337	04/10/2018	10502332	12/10/2019	PerkinElmer Health Sciences, Inc.		Duckbill Valve Assemblies And Apparatus And Methods Including Same

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2017-008US1	Utility - ORG	USA	Issued	15/976,426	05/10/2018	10794806	10/06/2020	PerkinElmer Health Sciences, Inc.		Devices, Systems, And Methods For Preparing Field Samples
2017-036US1	Utility - ORG	USA	Issued	16/033,927	07/12/2018	10879030	12/29/2020	PerkinElmer Health Sciences, Inc.		Dynamic Electron Impact Ion Source
25947-0058US3	Utility - CON	USA	Issued	16/042,531	07/23/2018	10453666	10/22/2019	PerkinElmer Health Sciences, Inc.		Rf Ion Guide With Axial Fields
PKI-7074US1	Utility - ORG	USA	Issued	16/100,587	08/10/2018	10809124	10/20/2020	PerkinElmer Health Sciences, Inc.		Spectrometers And Instruments Including Them
2013-009US3	Utility - CON	USA	Issued	16/146,737	09/28/2018	10615018	04/07/2020	PerkinElmer Health Sciences, Inc.		Collision Cells And Methods Of Using Them
PKI-7046US5	Utility - CON	USA	Issued	16/146,745	09/28/2018	10462890	10/29/2019	PerkinElmer Health Sciences, Inc.		Induction Devices And Methods Of Using Them

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2017-021US1	Utility - ORG	USA	Issued	16/232,475	12/26/2018	11264224	03/01/2022	PerkinElmer Health Sciences, Inc.		Thermal Desorption Systems With Drying Devices And Methods Of Using Them
PKI-7047US3	Utility - CON	USA	Issued	16/237,047	12/31/2018	10993309	04/27/2021	PerkinElmer Health Sciences, Inc.		Torches And Methods Of Using Them
PKI-7031US2	Utility - CON	USA	Issued	16/248,603	01/15/2019	10691143	06/23/2020	PerkinElmer Health Sciences, Inc.	PerkinElmer Health Sciences Canada, Inc.	Manifolds And Methods And Systems Using Them
2018-004US1	Utility - ORG	USA	Issued	16/254,795	01/23/2019	10914713	02/09/2021	PerkinElmer Health Sciences, Inc.		Systems And Methods For Pesticide Detection Using Mass Spectroscopy
2018-039US1	Utility - ORG	USA	Issued	16/275,978	02/14/2019	11069331	07/20/2021	PerkinElmer Health Sciences, Inc.		Noise Reduction Filter For Signal Processing
PKI-7048US3	Utility - CON	USA	Issued	16/290,447	03/01/2019	10872751	12/22/2020	PerkinElmer Health Sciences, Inc.		Detectors And Methods Of Using Them

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PKI-7050US3	Utility - CON	USA	Issued	16/290,335	03/01/2019	10892149	01/12/2021	PerkinElmer Health Sciences, Inc.		Optical Detectors And Methods Of Using Them
052-2017US1	Utility - ORG	USA	Issued	16/368,017	03/28/2019	11150171	10/19/2021	PerkinElmer Health Sciences, Inc.	Perten Instruments of Australia Pty Ltd.; Bay State Milling	Measuring Properties Of Flour, Dough, And Other Solids
2018-063US1	Utility - ORG	USA	Issued	16/438,342	06/11/2019	10985002	04/20/2021	PerkinElmer Health Sciences, Inc.		Ionization Sources And Methods And Systems Using Them
PKI-7059US2	Utility - DIV	USA	Issued	16/511,113	07/15/2019	11041873	06/22/2021	PerkinElmer Health Sciences, Inc.		Autosamplers, Autoloaders And Systems And Devices Using Them
2015-005US2	Utility - CON	USA	Issued	16/537,019	08/09/2019	11255827	02/22/2022	PerkinElmer Health Sciences, Inc.		Thermal Gradient Chromatography Devices And Methods Of Using Them

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2018-035US1	Utility - ORG	USA	Issued	16/536,695	08/09/2019	10866139	12/15/2020	PerkinElmer Health Sciences, Inc.		Spectrometers With Retro-Reflective Surfaces And Related Instruments
2018-014US1	Utility - CON	USA	Issued	16/541,917	08/15/2019	11092485	08/17/2021	PerkinElmer Health Sciences, Inc.		Compact Spectrometers And Instruments Including Them
PKI-7036US4	Utility - CON	USA	Issued	16/551,083	08/26/2019	10930480	02/23/2021	PerkinElmer Health Sciences, Inc.		Ion Detectors And Methods Of Using Them
PKI-7019US4	Utility - CON	USA	Issued	16/558,228	09/02/2019	11110385	09/07/2021	PerkinElmer Health Sciences, Inc.		Fluidic Devices And Methods Using Them
25947-0058US4	Utility - CON	USA	Issued	16/592,322	10/03/2019	10796893	10/06/2020	PerkinElmer Health Sciences, Inc.		Rf Ion Guide With Axial Fields
2018-059US1	Utility - ORG	USA	Issued	16/733,026	01/02/2020	11499949	11/15/2022	PerkinElmer Health Sciences, Inc.		Heaters And Their Use In Temperature Gradient And Traveling Wave Chromatography

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006-2015US2	Utility - DIV	USA	Pending	16/747,578	01/21/2020			PerkinElmer Health Sciences, Inc.		Peristaltic Pumps And Related Methods
2018-054US1	Utility - NSPCT	USA	Pending	17/617,467	07/01/2020			PerkinElmer Health Sciences, Inc.		Pdms Granular Coated Vial
PKI-7037US2	Utility - CON	USA	Pending	16/994,757	08/17/2020			PerkinElmer Health Sciences, Inc.		Devices, Systems And Methods For Analyzing Fluid Streams
2017-008US2	Utility - DIV	USA	Issued	17/008,920	09/01/2020	11193864	12/07/2021	PerkinElmer Health Sciences, Inc.		Devices, Systems, And Methods For Preparing Field Samples
PKI-7074US2	Utility - CON	USA	Issued	17/019,612	09/14/2020	11221254	01/11/2022	PerkinElmer Health Sciences, Inc.		Spectrometers And Instruments Including Them
2018-062US1	Utility - ORG	USA	Pending	17/034,851	09/28/2020			PerkinElmer Health Sciences, Inc.		Thermal Isolation Chambers And Chromatography Systems Including Them
2018-060US1	Utility - ORG	USA	Pending	17/038,841	09/30/2020			PerkinElmer Health Sciences, Inc.		Sample Introduction Devices And Systems And Methods Of Using And Producing Them

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2018-061US1	Utility - ORG	USA	Pending	17/038,850	09/30/2020			PerkinElmer Health Sciences, Inc.		Sample Introduction Devices And Systems And Methods Of Using And Producing Them
2018-034US1	Utility - ORG	USA	Published	17/060,752	10/01/2020			PerkinElmer Health Sciences, Inc.		Autosamplers And Analytic Systems And Methods Including Same
2018-034DS2US1	Design - ORG	USA	Issued	29/757,716	11/09/2020	D940898	01/11/2022	PerkinElmer Health Sciences, Inc.		Sample Vial Gripper
2018-034DSUS1	Design - ORG	USA	Pending	29/757,711	11/09/2020			PerkinElmer Health Sciences, Inc.		Autosampler Carousel Assembly With Central Sample Carrier And Tiered Sample Carriers
2018-045US1	Utility - ORG	USA	Pending	16/952,418	11/19/2020			PerkinElmer Health Sciences, Inc.		Random Access Sensor

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2017-036US2	Utility - CON	USA	Issued	17/135,839	12/28/2020	11276544	03/15/2022	PerkinElmer Health Sciences, Inc.		Dynamic Electron Impact Ion Source
2018-004US2	Utility - DIV	USA	Pending	17/167,252	02/04/2021			PerkinElmer Health Sciences, Inc.		Systems And Methods For Pesticide Detection
2018-024US1	Utility - ORG	USA	Published	17/188,272	03/01/2021			PerkinElmer Health Sciences, Inc.		Autosamplers And Analytic Systems And Methods Including Same
2018-063US2	Utility - CON	USA	Pending	17/233,610	04/19/2021			PerkinElmer Health Sciences, Inc.		Ionization Sources And Methods And Systems Using Them
2021-006US1	Utility - ORG	USA	Pending	17/348,349	06/15/2021			PerkinElmer Health Sciences, Inc.		Enhancing Lcms Analyte Signals
2021-009US1	Utility - ORG	USA	Pending	17/371,253	07/09/2021			PerkinElmer Health Sciences, Inc.		Lcms With Esi Source For Enhanced Sensitivity Of Compounds
PKI-7007US6	Utility - CON	USA	Pending	17/392,048	08/02/2021			PerkinElmer Health Sciences, Inc.		Chromatography Systems And Methods Using Them

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2018-014US2	Utility - CON	USA	Pending	17/400,233	08/12/2021			PerkinElmer Health Sciences, Inc.		Compact Spectrometers And Instruments Including Them
2021-001US1	Utility - ORG	USA	Pending	17/501,695	10/14/2021			PerkinElmer Health Sciences, Inc.		Echelle Spectrometer
2021-010USPR1	Prov - ORG	USA	Pending	63/297,072	01/06/2022			PerkinElmer Health Sciences, Inc.	PerkinElmer Health Sciences Canada, Inc.	Curved Ion Guides And Related Systems And Methods
2019-041US1	Utility - ORG	USA	Pending	17/573,067	01/11/2022			PerkinElmer Health Sciences, Inc.		Finger-Tight Gas Chromatograph (Gc) Column Connections
2020-030USPR1	Prov - ORG	USA	Pending	63/306,612	02/04/2022			PerkinElmer Health Sciences, Inc.		Toroidal Ion Trap
2021-034US1	Utility - ORG	USA	Pending	17/745,347	05/16/2022			PerkinElmer Health Sciences, Inc.		Lopsided Lamp Reaction
2021-015US1	Utility - ORG	USA	Pending	17/869,985	07/21/2022			PerkinElmer Health Sciences, Inc.		Generating Inductively Coupled Plasma

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2021-046US1	Utility - ORG	USA	Pending	63/408,289	09/20/2022			PerkinElmer Health Sciences, Inc.		Processes For Accurate Determination Of Temperature Coefficient In Pressure Sensors
2022-013US1	Utility - ORG	USA	Pending	17/934,070	09/21/2022			PerkinElmer Health Sciences, Inc.		Metal Reinforced Cryogenic Trap For Thermal Desorber
2021-013US1	Utility - ORG	USA	Pending	18/055,882	11/16/2022			PerkinElmer Health Sciences, Inc.		Induction Devices For Inductively Coupled Plasma Torches And Methods And Systems Including Same
2020-038US1	Utility - ORG	USA	Pending	17/989,415	11/17/2022			PerkinElmer Health Sciences, Inc.	PerkinElmer Health Sciences Canada, Inc.	Deflectors For Ion Beams And Mass Spectrometry Systems Comprising The Same

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2021-010US1	Utility - ORG	USA	Pending	18/150,314	01/05/2023			PerkinElmer Health Sciences, Inc.	PerkinElmer Health Sciences Canada, Inc.	Curved Ion Guides And Related Systems And Methods
9888-041US2	Utility - CON	USA	Pending	18/150,969	01/06/2023			PerkinElmer Health Sciences, Inc.		Low Thermal Mass Gc Module

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