

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6106019

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOLECULAR DEVICES, LLC	04/30/2020

RECEIVING PARTY DATA

Name:	SARTORIUS BIOANALYTICAL INSTRUMENTS, INC.
Street Address:	565 JOHNSON AVENUE
City:	BOHEMIA
State/Country:	NEW YORK
Postal Code:	11716

PROPERTY NUMBERS Total: 17

Property Type	Number
Patent Number:	8647588
Patent Number:	8305585
Patent Number:	7394547
Patent Number:	7319525
Patent Number:	7656536
Patent Number:	7728982
Patent Number:	7445887
Application Number:	15502846
Patent Number:	9990464
Application Number:	15737658
Application Number:	16067438
Patent Number:	9632026
Application Number:	15494120
Application Number:	16680278
Patent Number:	8906672
Patent Number:	8298496
Application Number:	15761750

CORRESPONDENCE DATA

Fax Number: (212)446-4900

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 212-390-4147
Email: hayley.smith@kirkland.com
Correspondent Name: AMANDA CIRELLA (PARALEGAL)
Address Line 1: KIRKLAND & ELLIS LLP
Address Line 2: 601 LEXINGTON AVENUE
Address Line 4: NEW YORK, NEW YORK 10022

ATTORNEY DOCKET NUMBER:	10335-83
NAME OF SUBMITTER:	AMANDA CIRELLA
SIGNATURE:	//Amanda Cirella//
DATE SIGNED:	05/14/2020

Total Attachments: 29

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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS INTELLECTUAL PROPERTY ASSIGNMENT (“Assignment”) is made and entered into as of this 30th day of April, 2020 (“Effective Date”), by and among **Danaher Corporation**, a Delaware corporation (“Danaher”), **Pall Corporation**, a New York corporation, **Pall International SARL**, a Swiss société à responsabilité limitée, **Pall France SAS**, a French société par actions simplifiée, and **Molecular Devices, LLC**, a Delaware limited liability company (each an “Assignor” and collectively, the “Assignors”), on the one hand, and **Sartorius AG**, a stock corporation (*Aktiengesellschaft*) incorporated under the laws of Germany (“Sartorius”), **Sartorius Bioanalytical Instruments, Inc.**, a Delaware corporation, **Sartorius Stedim Chromatography Resins S.A.S.**, a private company incorporated and registered in France with company number 880 489 786 RCS Marseille, **Sartorius Stedim Chromatography Systems Ltd.**, a private limited company incorporated under the laws of England and Wales, registered with the Companies House under company number 12340838, and **Sartorius Stedim North America, Inc.**, a Delaware corporation, on the other hand.

WHEREAS, Danaher and Sartorius are parties to that certain Purchase Agreement dated as of October 18, 2019, as amended (the “Purchase Agreement”); and

WHEREAS, pursuant to the Purchase Agreement, Danaher wishes to assign and for the other Assignors (which are Subsidiaries of Danaher) to assign to the Assignees, and the Assignees wish to acquire from Assignors, all of Assignors’ right, title and interest in and to all Business Intellectual Property (as that term is defined in the Purchase Agreement) set forth on Section 2.01(a)(v) of the Disclosure Schedules to the Purchase Agreement.

NOW, THEREFORE, in consideration of the mutual promises and covenants set forth herein and in the Purchase Agreement, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, each party hereto agrees as follows:

1. Assignment. Effective as of the Effective Date, each Assignor hereby assigns to Sartorius or Affiliate of Sartorius, designated on Schedule A (each, an “Assignee”, and collectively, the “Assignees”), all of its right, title and interest in and to all Business Intellectual Property set forth on Section 2.01(a)(v) of the Disclosure Schedules to the Purchase Agreement, including, all (i) patents and patent applications set forth on Schedule A, and any reissues, reexaminations, divisions, extensions, provisionals, utility models, continuations, or continuations-in-part thereof which may have been filed in the time period starting on October 18, 2019 and ending on the Effective Date and which are not explicitly set forth on Schedule A, (the “Transferred Patents”), and (ii) all trademarks and trademark applications set forth on Schedule B and the goodwill associated therewith (the “Transferred Marks”).

2. Recordation. Each of the parties hereto hereby authorizes and requests the United States Patent & Trademark Office and any other applicable governmental entity or registrar (including any applicable foreign or international office or registrar) (each, an “IP Office/Registrar”) to record, at Assignee’s sole cost and expense, Assignee, as the respective registered owner of the Transferred Marks and Transferred Patents. Assignee shall have the right and sole responsibility (but not the obligation) to record, at Assignee’s sole cost and expense, this

Assignment with all applicable governmental authorities and registrars so as to record and perfect its ownership of the applicable Transferred Patents or Transferred Marks.

3. Maintenance, Defense and Prosecution of Transferred Patents and Transferred Marks. Assignors warrant that they shall take all steps necessary to prosecute, maintain and defend Transferred Patents and Transferred Marks until the legally binding official finalization of the Recordation for each of the Transferred Marks and Transferred Patents under Section 2 of this Agreement. Assignors warrant that they shall take all steps necessary to avoid each and any loss of right affecting the validity, integrity and enforceability of the Transferred Patents and Transferred Marks until the legally binding official finalization of the Recordation for each of the Transferred Marks and Transferred Patents under Section 2 of this Agreement. Assignors must not abandon or cause to lapse (neither intentionally, unintentionally nor by omission or fault on Assignors' side) any of the Transferred Patents or Transferred Marks until the legally binding official finalization of the Recordation for each of the Transferred Marks and Transferred Patents under Section 2 of this Agreement.

4. Relation to the Purchase Agreement. This Assignment is made pursuant to and subject to the Purchase Agreement. In the event of any conflict or inconsistency between this Assignment and the Purchase Agreement, the Purchase Agreement shall control. Except as expressly set forth in the Purchase Agreement, Assignors make no representations or warranties regarding, and hereby disclaim all representations and warranties, express or implied, regarding, the Transferred Patents, Transferred Marks and any other Business Intellectual Property, including any implied warranties of title (with the exception of Assignors warranting that Assignors are fully entitled to undertake the transactions contemplated under this Agreement) or non-infringement. Article 13 of the Purchase Agreement is hereby incorporated *mutatis mutandis*. Any Assignors who are not a party to the Purchase Agreement have entered into this Assignment solely for the purpose of facilitating the other Assignors' obligations under the Purchase Agreement, and are not otherwise undertaking or assuming any obligations under the Purchase Agreement.

5. Extension to other patent family members. For the avoidance of doubt, any patent right or utility model which is a patent family member of any of the Transferred Patents listed in Schedule A, but which is not listed in Schedule A as of the Effective Date or which has come into existence in the time period starting on October 18, 2019 and ending on the Effective Date shall be a Transferred Patent under this Agreement and subject to Assignors' and Assignee's rights and obligations under this Agreement. For the avoidance of doubt Assignors must not file any new patent applications under the Transferred Patents ("New Patent Filing") after the Effective Date unless said New Patent Filing is necessary to avoid a loss of right of an already existing Transferred Patent and Assignee has consented to said New Patent Filing in writing. Any New Patent Filing authorized by Assignee shall be a Transferred Patent under this Agreement and subject to Assignors' and Assignee's rights and obligations under this Agreement.

* * * * *

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IN WITNESS WHEREOF, the Assignors and Assignees have caused this Assignment to be executed by their duly authorized representatives as of the Effective Date.

DANAHER CORPORATION

By: DocuSigned by:
Frank T. McFaden
730E8C539A84400... _____
Name: Frank T. McFaden
Title: Vice President and Treasurer

PALL CORPORATION

By: DocuSigned by:
Frank T. McFaden
730E8C539A84400... _____
Name: Frank T. McFaden
Title: Vice President and Treasurer

PALL INTERNATIONAL SÀRL

DocuSigned by:

Frank Kirchner

FF5DF58256BE464...

Name: Frank Kirchner

Title: Director

Name: Heike Idink

Title: Director

Name: Edward Hoare

Title: Director

PALL INTERNATIONAL SÀRL

Name: Frank Kirchner
Title: Director

DocuSigned by:

Heike Idink

E5C80E0546EA468...

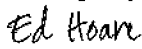
Name: Heike Idink
Title: Director

Name: Edward Hoare
Title: Director

PALL INTERNATIONAL SÀRL

Name: Frank Kirchner
Title: Director

Name: Heike Idink
Title: Director

DocuSigned by:

3F9E16E5485A48D...
Name: Edward Hoare
Title: Director

PALL FRANCE SAS

DocuSigned by:

Nadine Bricka

831778E14A0B418...

Name: Nadine Bricka

Title: Directeur Général

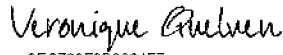
Name: Veronique Quelven

Title: Directeur Général

PALL FRANCE SAS

Name: Nadine Bricka
Title: Directeur Général

DocuSigned by:



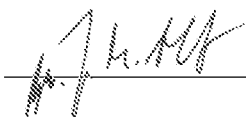
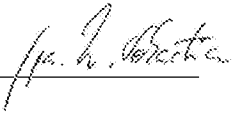
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Name: Veronique Quelven
Title: Directeur Général

Molecular Devices LLC


By: DocuSigned by:
Frank T. McFaden
730E8C539A84400... _____
Name: Frank T. McFaden
Title: Vice President and Treasurer

SARTORIUS AG

By:  

Name: Jens M. Artelt Katrin Sebastian
Title: Authorized Signatory Authorized Signatory

**SARTORIUS STEDIM
CHROMATOGRAPHY SYSTEMS LTD.**

By: 
Name: Peer Brauer
Title: Director

**SARTORIUS STEDIM NORTH
AMERICA, INC.**

By: 
Name: Mary Lavin
Title: President

**SARTORIUS BIOANALYTICAL
INSTRUMENTS, INC.**

By: M. Lavin
Name: Mary Lavin
Title: President

**SARTORIUS STEDIM
CHROMATOGRAPHY RESINS S.A.S.**

By: _____


Name: Olivier Guillard

Title: Président

SCHEDULE A**PATENTS AND PATENT APPLICATIONS****BioSMB**

Country	Title	App. Number	Patent Number	Assignor	Assignee
US	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	14/797785		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
AU	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	2016203494		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
CA	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	2930594		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
CN	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	201610642206.3		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
EP	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	16169704.0		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
JP	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	2016-097202	6349571	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
KR	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	2016-67592	1987400	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
SG	OPTIMIZING OPERATING BINDING CAPACITY FOR A MULTIPLE COLUMN CHROMATOGRAPHY PROCESS	10201603826U	10201603826A1	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
CN	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	2011800640407	CN103562145B	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
BR	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	112013013884	-	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
DE	CONVERSION OF FIXED-BED LIQUID CHROMATOGRAPHY PROCESSES TO SIMULATED MOVING BED PROCESSES	10766472.4	602010041690.9	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
FR	CONVERSION OF FIXED-BED LIQUID CHROMATOGRAPHY PROCESSES TO SIMULATED MOVING BED PROCESSES	10766472.4	2488267	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.

Schedule A - Patents and Patent Applications

Country	Title	App. Number	Patent Number	Assignor	Assignee
GB	CONVERSION OF FIXED-BED LIQUID CHROMATOGRAPHY PROCESSES TO SIMULATED MOVING BED PROCESSES	10766472.4	2488267	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
IT	CONVERSION OF FIXED-BED LIQUID CHROMATOGRAPHY PROCESSES TO SIMULATED MOVING BED PROCESSES	10766472.4	502017000078067	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
HK	CONVERSION OF FIXED-BED LIQUID CHROMATOGRAPHY PROCESSES TO SIMULATED MOVING BED PROCESSES	13102269.5		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
US	DISPOSABLE CHROMATOGRAPHY VALVES AND SYSTEMS	11/567970	8920645	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
CN	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	2015101780363	ZL2015101780363	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
CN	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	2011800640407	ZL2011800640407	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
US	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	13/991604		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
EP	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	11846745.5		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
IN	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	1022/MUMNP/2013		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
KR	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	10-2013-7017760		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
JP	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	2017-192658	6476528	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
EP	CONTINUOUS PROCESSING METHODS FOR BIOLOGICAL PRODUCTS	19185816.6 EP-3578522-A1		Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.

Columns

Country	Patent Title	App. No.	Patent No.	Assignor	Assignee
DE	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	04806004.0	1691910	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
EP	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	04806004.0	1691910	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
FR	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	04806004.0	1691910	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.

Schedule A - Patents and Patent Applications

Country	Patent Title	App. No.	Patent No.	Assignor	Assignee
GB	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	04806004.0	1691910	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
IT	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	04806004.0	1691910	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
US	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	10/581968	7604747	Pall International SARL	Sartorius Stedim Chromatography Systems Ltd.
JP	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	2006-543623	5068077	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
US	CHROMATOGRAPHY COLUMNS AND THEIR OPERATION	12/558665	8715499	Pall International SARL	Sartorius Stedim Chromatography Systems Ltd.

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Country	Title	Application No.	Patent Number	Assignor	Assignee
US	TIP TRAY ASSEMBLY FOR OPTICAL SENSORS	13/101,112	8,647,588	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	12/790,736	8,305,585	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CN	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	80031823.5	ZL200480031823.5	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
DE	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	4800761.1	1685367	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	4800761.1	1685367	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
GB	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	4800761.1	1685367	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	2006-538490	4989229	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.

Schedule A - Patents and Patent Applications

Country	Title	Application No.	Patent Number	Assignor	Assignee
SG	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	2006029359	122203	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	10/981,901	7,394,547	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	11/423,671	7,319,525	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	11/957,340	7,656,536	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	12/099,751	7,728,982	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
DE	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	8018376.7	2026060	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	8018376.7	2026060	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
GB	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	8018376.7	2026060	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CN	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	10151571.4	ZL200910151571.4	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
HK	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	10103715.6	1135774	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	2012-30021	5487380	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	ENZYME ACTIVITY MEASUREMENTS USING BIO-LAYER INTERFEROMETRY	2008-516034	5420897	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CN	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	80029613.1	ZL200680029613.1	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	1891395	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.

Schedule A - Patents and Patent Applications

Country	Title	Application No.	Patent Number	Assignor	Assignee
DE	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	1891395	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
IT	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	502015000082980	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CH	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	1891395	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
FR	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	1891395	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
GB	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	1891395	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
SE	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	1891395	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
NL	FIBER-OPTIC ASSAY APPARATUS BASED ON PHASE-SHIFT INTERFEROMETRY	6784824.2	1891395	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	ENZYME ACTIVITY MEASUREMENTS USING BIO-LAYER INTERFEROMETRY	11/326,689	7,445,887	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
SG	ENZYME ACTIVITY MEASUREMENTS USING BIO-LAYER INTERFEROMETRY	2007042971	133108	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
SG	DETECTION AND QUANTITATION OF ENDOTOXIN USING BIOLAYER INTERFEROMETRY	10201401378V	10201401378B	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	DETECTION AND QUANTITATION OF ENDOTOXIN USING BIOLAYER INTERFEROMETRY	2014-89178	5824750	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
KR	DETECTION AND QUANTITATION OF ENDOTOXIN USING BIOLAYER INTERFEROMETRY	2014-49361	1568730	Pall Corporation	Sartorius BioAnalytical Instruments, Inc.
US	METHOD AND APPARATUS FOR RAPID SEQUENTIAL FLOW INJECTION	15/502,846		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CN	METHOD AND APPARATUS FOR RAPID SEQUENTIAL FLOW INJECTION	2015800500414	ZL2015800500414	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.

Schedule A - Patents and Patent Applications

Country	Title	Application No.	Patent Number	Assignor	Assignee
JP	METHOD AND APPARATUS FOR RAPID SEQUENTIAL FLOW INJECTION	2017-508566		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	METHOD AND APPARATUS FOR RAPID SEQUENTIAL FLOW INJECTION	2020-052846		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
SG	METHOD AND APPARATUS FOR RAPID SEQUENTIAL FLOW INJECTION	11201700972V	11201700972V	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	METHOD AND APPARATUS FOR RAPID SEQUENTIAL FLOW INJECTION	15831287.6		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	LABEL-FREE BIOMOLECULAR INTERACTION ANALYSIS USING A RAPID ANALYTE DISPERSION INJECTION METHOD	14/049,863	9,990,464	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	SINGLE INJECTION COMPETITION ASSAYS	15/737,658		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CN	SINGLE INJECTION COMPETITION ASSAYS	201680040662.9		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	SINGLE INJECTION COMPETITION ASSAYS	16825000.9		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	SINGLE INJECTION COMPETITION ASSAYS	2017-568357		Pall Corporation	Sartorius BioAnalytical Instruments, Inc.
SG	SINGLE INJECTION COMPETITION ASSAYS	11201800196S	11201800196B	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	METHOD FOR THERMAL CONTROL DURING SURFACE PLASMON RESONANCE ANALYSIS	16/067438		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	METHOD FOR THERMAL CONTROL DURING SURFACE PLASMON RESONANCE ANALYSIS	17736423.9		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CN	METHOD FOR THERMAL CONTROL DURING SURFACE PLASMON RESONANCE ANALYSIS	201780005897.9		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	METHOD FOR THERMAL CONTROL DURING SURFACE PLASMON RESONANCE ANALYSIS	2018-534868		Pall Corporation	Sartorius BioAnalytical Instruments, Inc.

Schedule A - Patents and Patent Applications

Country	Title	Application No.	Patent Number	Assignor	Assignee
SG	METHOD FOR THERMAL CONTROL DURING SURFACE PLASMON RESONANCE ANALYSIS	11201805851V		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	OPTICAL BIOSENSOR REFERENCING METHOD	13/748040	9,632,026	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	OPTICAL BIOSENSOR REFERENCING METHOD	15/494120		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	OPTICAL BIOSENSOR REFERENCING METHOD	16/680,278		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	DISPERSION INJECTION METHODS FOR BIOSENSING APPLICATIONS	11850377.0		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	GRADIENT INJECTION FOR BIOSENSING	08705603.2		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	GRADIENT INJECTION FOR BIOSENSING	12/674,290	8,906,672	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	FLUIDIC CONFIGURATION FOR FLOW INJECTION ANALYSIS	12/670,078	8,298,496	Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	FLUIDIC CONFIGURATION FOR FLOW INJECTION ANALYSIS	08724522.1		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
US	ANALYSIS METHOD FOR INTERPRETING TAYLOR DISPERSION DATA	15/761750		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
EP	ANALYSIS METHOD FOR INTERPRETING TAYLOR DISPERSION DATA	16852403.1		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
CN	ANALYSIS METHOD FOR INTERPRETING TAYLOR DISPERSION DATA	201680062999.X		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.
JP	ANALYSIS METHOD FOR INTERPRETING TAYLOR DISPERSION DATA	2018-515802		Pall Corporation	Sartorius BioAnalytical Instruments, Inc.
SG	ANALYSIS METHOD FOR INTERPRETING TAYLOR DISPERSION DATA	11201802500T		Molecular Devices, LLC	Sartorius BioAnalytical Instruments, Inc.

Microcarriers

Country	Title	App. Number	Patent Number	Assignor	Assignee
US	METHOD AND DEVICE FOR PRODUCING VACCINE	11/705920	7534596	Pall Corporation	Sartorius Stedim North America, Inc.
US	Cell Harvest System	15/873039	N/A	Pall Corporation	Sartorius Stedim North America, Inc.

Resins

Country	Title	App. Number	Patent Number	Assignor	Assignee
JP	Chromatographic Material For The Absorption Of Proteins At Physiological Ionic Strength	2006-551171	4801598	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
DE	Chromatographic Material For The Absorption Of Proteins At Physiological Ionic Strength	05705749.9	1715948	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
EP	Chromatographic Material For The Absorption Of Proteins At Physiological Ionic Strength	05705749.9	1715948	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
FR	Chromatographic Material For The Absorption Of Proteins At Physiological Ionic Strength	05705749.9	1715948	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
GB	Chromatographic Material For The Absorption Of Proteins At Physiological Ionic Strength	05705749.9	1715948	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
IT	Chromatographic Material For The Absorption Of Proteins At Physiological Ionic Strength	05705749.9	502017000016269	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
US	Chromatographic Material For The Absorption Of Proteins At Physiological Ionic Strength	10/583509	8021889	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
US	Mixed Mode Ligands	13/555484	8802448	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
AU	Mixed Mode Ligands	2012208979	2012208979	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
CN	Mixed Mode Ligands	201210434464.4	103084148	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
CA	Mixed Mode Ligands	2783757	2783757	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
EP	Mixed Mode Ligands	12178286.6	2551013	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.

Schedule A - Patents and Patent Applications

Country	Title	App. Number	Patent Number	Assignor	Assignee
FR	Mixed Mode Ligands	12178286.6	2551013	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
DE	Mixed Mode Ligands	12178286.6	n.n.	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
IT	Mixed Mode Ligands	12178286.6	n.n.	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
GB	Mixed Mode Ligands	12178286.6	2551013	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
SE	Mixed Mode Ligands	12178286.6	2551013	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
CH/LI	Mixed Mode Ligands	12178286.6	2551013	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
JP	Mixed Mode Ligands	2012-164890	5736590	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
KR	Mixed Mode Ligands	2012-82764	1418232	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
SG	Mixed Mode Ligands	201205548.9	187364	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.

**SCHEDULE B
TRADEMARK REGISTRATIONS AND APPLICATIONS**

Columns

Trademark Name	Country	App. No.	Registration No.	Assignor	Assignee
RESOLUTE	US	76482616	3018234	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	AT	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	BG	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	BX	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	CY	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	CZ	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	DE	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	DK	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	EE	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	EM	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	ES	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	FI	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	FR	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	GB	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	GR	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.

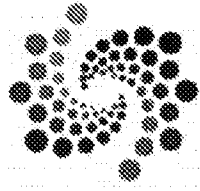
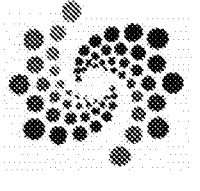
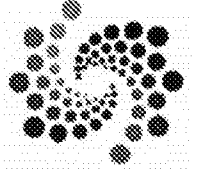
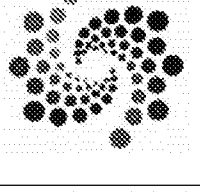
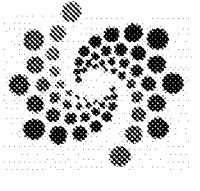
Schedule B - Trademark Registrations and Applications

Trademark Name	Country	App. No.	Registration No.	Assignor	Assignee
RESOLUTE	HU	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	IE	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	IT	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	LT	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	LV	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	MT	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	PL	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	PT	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	RO	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	SE	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	SI	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	SK	002996122	002996122	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.
RESOLUTE	JP	2003-002691	4759252	Pall Corporation	Sartorius Stedim Chromatography Systems Ltd.

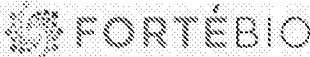
ForteBio

Trademark Name	Country	App. No.	Reg. No.	Assignor	Assignee
FORTEBIO	US	78/757611	3393063	Molecular Devices LLC	Sartorius AG
OCTET	US	78/757612	3309144	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.
BLITZ	US	85/375015	4617847	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.
diSPR	US	85/851000	4410584	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.

Schedule B - Trademark Registrations and Applications

Trademark Name	Country	App. No.	Reg. No.	Assignor	Assignee
ONESTEP	US	85/849717	4531803	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.
DESIGN ONLY 	WIPO (designating CN and JP)	88206670 (US)	1479433	Molecular Devices LLC	Sartorius AG
Powering Biologics Development	WIPO (designating CN and JP)	88206661 (US)	1476810	Molecular Devices LLC	Sartorius AG
DESIGN ONLY 	China (People's Republic)		--	Molecular Devices LLC	Sartorius AG
DESIGN ONLY 	European Union (Community)	18071601	--	Molecular Devices LLC	Sartorius AG
Powering Biologics Development	European Union (Community)	18071607	--	Molecular Devices LLC	Sartorius AG
DESIGN ONLY 	Japan		--	Molecular Devices LLC	Sartorius AG
Powering Biologics Development	Japan		--	Molecular Devices LLC	Sartorius AG
DESIGN ONLY 	US	88/206670	--	Molecular Devices LLC	Sartorius AG
Powering Biologics Development	US	88/206661	--	Molecular Devices LLC	Sartorius AG

Forte Bio Common Law Trademarks

Common Law Trademark	Assignor	Assignee
	Molecular Devices LLC	Sartorius AG
Pioneer	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.
Pioneer FE	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.
Dip and Read	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.
Sidekick	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.
NeXtStep	Molecular Devices LLC	Sartorius BioAnalytical Instruments, Inc.

Microcarriers

Trademark Name	Country	App. No.	Reg. No.	Assignor	Assignee
HILLEX	US	76/484426	2764093	Pall Corporation	Sartorius Stedim North America, Inc.
HILLEX	WIPO (designating CN)	1060194	1060194	Pall Corporation	Sartorius Stedim North America, Inc.
SOLOHILL	CN	10709834	10709834	Pall Corporation	Sartorius Stedim North America, Inc.
SOLOHILL	WIPO	1060195	1060195	Pall Corporation	Sartorius Stedim North America, Inc.

Resins

Trademark Name	Country	App. No.	Reg. No.	Assignor	Assignee
HYPERD	GB	1521742	1521742	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
SPHEROSIL	GB	907187	907187	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
TRISACRYL	JP	35739/77	1447419	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
ULTROSER	FR	1228557	1228557	Pall France SAS	Sartorius Stedim Chromatography Resins S.A.S.
ULTROSER	GB	1191852	1191852	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.

Schedule B - Trademark Registrations and Applications

Trademark Name	Country	App. No.	Reg. No.	Assignor	Assignee
ULTROSER	SE	192465	192465	Pall France SAS	Sartorius Stedim Chromatography Resins S.A.S.
ULTROGEL	CA	0376983	TMA213502	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.

Resins Common Law Trademarks

Common Law Trademark	Assignor	Assignee
BIOSEPRA	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
SPHERODEX	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
ULTROGEL	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.
ULTROSER	Pall Corporation	Sartorius Stedim Chromatography Resins S.A.S.