

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5052002

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MOLECULAR DEVICES, INC.	04/01/2010
RECEIVING PARTY DATA	
Name:	LIFE TECHNOLOGIES CORPORATION
Street Address:	5823 NEWTON DRIVE
City:	CARLSBAD
State/Country:	CALIFORNIA
Postal Code:	92008
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14526785
CORRESPONDENCE DATA	
Fax Number:	(760)476-6048
<i>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.</i>	
Phone:	(760)603-7200
Email:	LSGDocketing@thermofisher.com
Correspondent Name:	LIFE TECHNOLOGIES CORPORATION
Address Line 1:	ATTN: IP LEGAL DEPARTMENT
Address Line 2:	5823 NEWTON DRIVE
Address Line 4:	CARLSBAD, CALIFORNIA 92008
ATTORNEY DOCKET NUMBER:	LT00241.7CON
NAME OF SUBMITTER:	GRACIE SEGOVIA
SIGNATURE:	/Gracie Segovia/
DATE SIGNED:	07/16/2018
Total Attachments: 17	
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT ("*Assignment*") is entered into as of April 9, 2010, by Molecular Devices, Inc. (formerly known as MDS Analytical Technologies (US) Inc.), a Delaware corporation ("*Assignor*"), in favor of Life Technologies Corporation, a Delaware corporation ("*Assignee*"). Capitalized terms used but not otherwise defined herein have the meanings given to such terms in the Purchase Agreement (as defined below).

WHEREAS, Assignor owns all right, title and interest in and to the patents and patent applications identified and set forth on Schedule A attached hereto (collectively, the "*Patents*");

WHEREAS, Assignor and Assignee are parties to the Asset Purchase Agreement dated January 12, 2010 (as amended from time to time, the "*Purchase Agreement*") pursuant to which Assignor has sold, and Assignee has purchased, certain assets of Assignor, including, without limitation, the Patents; and

WHEREAS, pursuant to the Purchase Agreement, Assignor wishes to assign to Assignee, and Assignee wishes to acquire from Assignor, all worldwide right, title and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged:

1. Assignor hereby irrevocably sells, conveys, transfers, assigns and delivers to Assignee Assignor's entire right, title and interest in, to and under the Patents for the United States and for all foreign countries, including, without limitation, the inventions and improvements described and claimed therein, all reissuances, revisions, divisionals, continuations, extensions, continuations-in-part and counterparts thereof and all corresponding rights that are or may be secured under the laws of the United States or any foreign country, now or hereafter arising or in effect, for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, together with all rights to collect royalties, products and proceeds in connection with any of the foregoing and all rights to sue and bring other claims for past, present or future infringement, misappropriation, unfair competition, dilution or other violation of the foregoing, and all rights to recover damages or lost profits in connection therewith, and all rights corresponding thereto throughout the world.
2. Assignor hereby requests the Commissioner of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities, to record Assignee as the assignee and owner of the Patents and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Assignment.

3. Assignor shall provide Assignee, its successors and assigns, and their legal representatives, at Assignee's sole cost and expense, such information, documents and assistance as Assignee or any such other person or entity may reasonably request in connection with effectuating and implementing this Assignment.
4. This Assignment shall be governed by and construed in accordance with the laws of the State of New York.
5. This Assignment may be signed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
6. This Assignment is provided pursuant to the Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Assignor and Assignee with respect to the Patents.

* * * * *

[END OF PAGE]

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed in Assignor's name by Assignor's duly authorized officer as of the date first above written.

MOLECULAR DEVICES, INC. (FORMERLY
KNOWN AS MDS ANALYTICAL
TECHNOLOGIES (US) INC.)

By: James F. O'Reilly
Name: James F. O'Reilly
Title: Vice President and Secretary

Acknowledgement:

LIFE TECHNOLOGIES CORPORATION

By: _____
Name: _____
Title: _____

[SIGNATURE PAGE TO PATENT ASSIGNMENT]

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed in Assignor's name by Assignor's duly authorized officer as of the date first above written.

MOLECULAR DEVICES, INC. (FORMERLY
KNOWN AS MDS ANALYTICAL
TECHNOLOGIES (US) INC.)

By: _____
Name: _____
Title: _____

Acknowledgement:

LIFE TECHNOLOGIES CORPORATION

By: Joseph W. Secordine Jr.
Name: Joseph W. Secordine, Jr.
Title: Asst. Secretary Assoc.
General Counsel

[SIGNATURE PAGE TO PATENT ASSIGNMENT]

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF _____ : ss:
CITY/COUNTY OF Washington, DC

I, Janice A. Tyler, the undersigned Notary Public do hereby certify that James F. O'Reilly, as Vice President and Secretary of Molecular Devices, Inc. (formerly known as MDS Analytical Technologies (US) Inc.), a Delaware corporation ("Assignor"), who signed the foregoing Assignment document, was authorized on the 1 day of April 2010, to execute the foregoing Assignment document on behalf of said Assignor, and to me acknowledged that he/she did sign the said document.

(STAMP AND SEAL)

Janice A. Tyler
Notary Public

District of Columbia : SS
Subscribed and Sworn to before me
this 1 day of April, 2010
Janice A. Tyler
Janice A. Tyler, Notary Public, D.C.
My commission expires March 14, 2013

Janice A. Tyler
Notary Public, District of Columbia
My Commission Expires 3/14/2013

WEST31899375.3

State of California

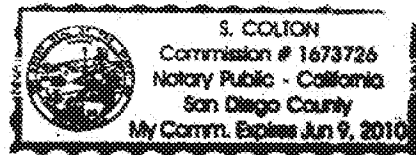
County of San Diego }

On April 1, 2010 before me, S. Colton, Notary Public,
Notary Public, personally appeared Joseph W. Secord, Jr.

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~(is/are)~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature S. Colton

(Seal)

WEST2185937X.3

**Schedule A
to Patent Assignment**

Number	Patent Title	Country and Patent Number	Status and Comments
1.	Laser Capture Microdissection Method and Apparatus	United States Registration/Application Number 6,469,779	Issued
2.	Laser Capture Microdissection Pressure Plate and Transfer Arm	United States Registration/Application Number 6,184,973	Issued
3.	Laser Capture Microdissection Vacuum Hold Down	United States Registration/Application Number 6,697,149	Issued
4.	Laser Capture Microdissection Optical System	United States Registration/Application Number 6,215,550	Issued
5.	Laser Capture Microdissection Translation Stage Joystick	United States Registration/Application Number 6,639,657	Issued
6.	Laser Capture Microdissection Optical System	United States Registration/Application Number 6,512,576	Issued
7.	Laser Capture Microdissection Optical System	United States Registration/Application Number 6,700,653	Issued
8.	Laser Capture Microdissection Translation Stage Joystick	United States Registration/Application Number 7,012,676	Issued
9.	Laser Capture Microdissection Vacuum Hold Down	United States Registration/Application Number 6,924,889	Issued
10.	Small Diameter Laser Capture Microdissection	United States Registration/Application Number 09/208,604	Abandoned

Number	Patent Title	Country and Patent Number	Status and Comments
11.	Laser Capture Microdissection Method and Apparatus	Patent Cooperation Treaty Registration/Application Number PCT/US98/02388	Published/Lapsed
12.	Laser Capture Microdissection Method and Apparatus	Canadian Registration/ Application Number 2,279,992	Issued
13.	Laser Capture Microdissection Method and Apparatus	European Patent Office Registration/ Application Number 958,491	Granted
14.	Laser Capture Microdissection Method and Apparatus	Japanese Registration/ Application Number 3786711	Issued
15.	Laser Capture Microdissection Method and Apparatus	European Patent Office Registration/ Application Number 02024380.4	Granted
16.	Laser Capture Microdissection Analysis Vessel	United States Registration/Application Number 5,859,699	Issued
17.	Laser Capture Microdissection Analysis Vessel	United States Registration/Application Number 6,157,446	Issued
18.	Laser Capture Microdissection Analysis Vessel	Patent Cooperation Treaty Registration/Application Number PCT/US98/01285	Published/Lapsed
19.	Laser Capture Microdissection Analysis Vessel	Canadian Registration/Application Number 2,280,087	Issued
20.	Laser Capture Microdissection Analysis Vessel	European Patent Office Registration/Application Number 98903663.7	Pending
21.	Laser Capture Microdissection Analysis Vessel	Japanese Registration/ Application Number 534732/1998	Abandoned

Number	Patent Title	Country and Patent Number	Status and Comments
22.	Broadband Energy Absorbing Film for Laser Capture Microdissection	United States Registration/ Application Number 6,495,195	Issued
23.	Broadband Absorbing Film for Laser Capture Microdissection	Patent Cooperation Treaty Registration/Application Number PCT/US98/01634	Published/Lapsed
24.	Consumable for Laser Capture Microdissection and Method of Manufacture Thereof	United States Registration/Application Number 7,075,640 / 08/984,979	Issued
25.	Consumable for Laser Capture Microdissection and Method of Manufacture Thereof	United States Registration/Application Number 5,985,085	Issued
26.	Consumable for Laser Capture Microdissection and Method of Manufacturing	Patent Cooperation Treaty Registration/Application Number PCT/US98/20340	Published/Lapsed
27.	Consumable for Laser Capture Microdissection	Canadian Registration/Application Number 2,306,030	Issued
28.	Consumable for Laser Capture Microdissection	European Patent Office Registration/Application Number 1,021,700	Granted
29.	Consumable for Laser Capture Microdissection	Japanese Registration/Application Number 2000 514115	Issued
30.	Consumable for Laser Capture Microdissection	Hong Kong Registration/Application Number 01100380.7	Issued
31.	Consumable for Laser Capture Microdissection	European Patent Office Registration/Application Number 02015774.9	Pending
32.	Consumable for Laser Capture Microdissection	European Patent Office Registration/Application Number 02027060.9	Pending

Number	Patent Title	Country and Patent Number	Status and Comments
33.	Fluidic Extraction of Microdissected Samples	United States Registration/Application Number 7,473,401 / 09/357,423	Issued
34.	Fluidic Extraction of Microdissected Samples	Patent Cooperation Treaty Registration/Application Number PCT/US99/16635	Published/Lapsed
35.	Fluidic Extraction of Microdissected Samples	Mexico Registration/Application Number 2001000691	Abandoned
36.	Fluidic Extraction of Microdissected Samples	Japanese Registration/Application Number 2000561502	Pending
37.	Processing Technology for LCM Samples	United States Registration/Application Number 6,528,248	Issued
38.	Processing Technology for LCM Samples	Patent Cooperation Treaty Registration/Application Number PCT/US00/11793	Published/Lapsed
39.	Hybridization Station	United States Registration/Application Number 09/706,332	Abandoned
40.	Hybridization Station	Patent Cooperation Treaty Registration/Application Number PCT/US00/41899	Published/Lapsed
41.	Transfer Film for Laser Microcapture	United States Registration/Application Number 6,887,703	Issued
42.	Transfer Film for Laser Microcapture	United States Registration/Application Number 10/827,151	Abandoned
43.	Transfer Film for Laser Microcapture	Patent Cooperation Treaty Registration/Application Number PCT/US01/05186	Published/Lapsed

Number	Patent Title	Country, and Patent Number	Status and Comments
44.	Laser Capture Microdissection (LCM) Extraction Device and Device Carrier and Method for Post LCM Processing	United States Publication/Application Number US 2002-0001837 A1 / 09/844,187	Pending
45.	Laser Capture Microdissection (LCM) Extraction Device and Device Carrier and Method for Post LCM Processing	Patent Cooperation Treaty Registration/Application Number PCT/US01/13796	Published/Lapsed
46.	Laser Capture Microdissection (LCM) Extraction Device and Device Carrier and Method for Post LCM Fluid	European Patent Office Registration/Application Number 01932737.8	Pending
47.	Automated Laser Capture Microdissection	United States Registration/Application Number 6,690,470	Issued
48.	Automated Laser Capture Microdissection	United States Registration/Application Number 6,870,625	Issued
49.	Automated Laser Capture Microdissection	United States Registration/Application Number 7,027,133 / 10/989,206	Issued
50.	Automated Laser Capture Microdissection	United States Registration/Application Number 7,148,966 / 11/331,758	Issued
51.	Automated Laser Capture Microdissection	Patent Cooperation Treaty Registration/Application Number PCT/US00/41946	Published/Lapsed
52.	Filtration Column Devices and Methods of Filtering Therewith	United States Registration/Application Number 7,229,595 / 09/882,530	Issued
53.	Low Volume Filtration Column Devices and Methods of Filtering Therewith	United States Publication/Application Number US 2003-0069413 A1 / 10/209,508	Pending

Number	Patent Title	Country and Patent Number	Status and Comments
54.	Low Volume Filtration Column Devices and Methods of Filtering Therewith	United States Registration/Application Number 7,556,733 / 11/076,272	Issued
55.	Filtration Column Devices and Methods of Filtering Therewith	Patent Cooperation Treaty Registration/Application Number PCT/US02/18755	Published/Lapsed
56.	Filtration Column Devices and Methods of Filtering Therewith	European Patent Office Registration/Application Number 02742051.2	Pending
57.	Low Volume Filtration Column Devices and Methods of Filtering Therewith	Patent Cooperation Treaty Registration/Application Number PCT/US03/23680	Published/Lapsed
58.	Low Volume Filtration Column Devices and Methods of Filtering Therewith	European Patent Office Registration/Application Number 03772035.6	Pending
59.	Road Map Image Guide for Automated Microdissection	Patent Cooperation Treaty Registration/Application Number PCT/US01/47298	Published/Lapsed
60.	Interactive and Automated Tissue Image Analysis with Global Training Database and Variable Abstraction Processing In	United States Publication/Application Number US 2004-0093166 A1 / 10/662,765	Pending
61.	Interactive and Automated Tissue Image Analysis with Global Training Database and Variable Abstraction Processing In	Patent Cooperation Treaty Registration/Application Number PCT/US2003/029060	Published/Lapsed
62.	Interactive and Automated Tissue Image Analysis with Global Training Database and Variable Abstraction Processing In	Canadian Registration/Application Number 2,500,805	Pending

Number	Patent Title	Country and Patent Number	Status and Comments
63.	Interactive and Automated Tissue Image Analysis with Global Training Database and Variable Abstraction Processing In	European Patent Office Registration/Application Number 03752395.8	Pending
64.	Interactive and Automated Tissue Image Analysis with Global Training Database and Variable Abstraction Processing In	Australian Registration/Application Number 2003270687	Issued
65.	Apparatus and Method for Heating Microfluidic Volumes and Moving Fluids	United States Registration/Application Number 7,049,558 / 10/765,536	Issued
66.	Laser Capture Microdissection on Inverted Polymer Films	United States Registration/Application Number 7,456,938 / 10/982,230	Issued
67.	Laser Microdissection Method and Apparatus	United States Publication/Application Number US 2006-0087643 A1 / 11/222,281	Pending
68.	Laser Microdissection Apparatus and Method	Patent Cooperation Treaty Registration/Application Number PCT/US2005/031897	Published/Lapsed
69.	Automated Microdissection Instrument	United States Publication/Application Number US 2006-0139621 A1 / 11/236,045	Pending
70.	Laser Capture Microdissection Device	United States Registration/Application Number 60/037,864	Expired Provisional Application
71.	Consumable for Laser Capture Microdissection and Method of Manufacture Thereof	United States Registration/Application Number 60/060,675	Expired Provisional Application

Number	Patent Title	Country and Patent Number	Status and Comments
72.	Small Volume Molecular Analysis Method	United States Registration/Application Number 60/122,942	Expired Provisional Application
73.	Spatial Integration Imaging of Laser Focal Spot Through Dense Biological Media	United States Registration/Application Number 60/182,843	Expired Provisional Application
74.	Laser Capture Microdissection (LCM) Technique for Sealing Tissue in Plastic/Wax Film	United States Registration/Application Number 60/182,860	Expired Provisional Application
75.	Post Activation Laser Capture Microdissection (LCM)	United States Registration/Application Number 60/194,141	Expired Provisional Application
76.	Medical Screening Using Laser Capture Microdissection	United States Registration/Application Number 60/198,082	Expired Provisional Application
77.	Medical Screening Using Laser Capture Microdissection	United States Registration/Application Number 60/198,869	Expired Provisional Application
78.	Linear Hybridization Array Within a Capillary	United States Registration/Application Number 60/216,445	Expired Provisional Application
79.	Nucleic Acid Purification Using Capillary Tubing	United States Registration/Application Number 60/216,528	Expired Provisional Application
80.	Solution Concentration	United States Registration/Application Number 60/298,359	Expired Provisional Application
81.	Automated Slide Processing Instrument	United States Registration/Application Number 60/340,229	Expired Provisional Application
82.	Reverse Laser Capture Microdissection with Polymer Film	United States Registration/Application Number 60/511,066	Expired Provisional Application

Number	Patent Title	Country and Patent Number	Status and Comments
83.	Cap Carrier for Laser Microdissection	United States Registration/Application Number 60/604783	Expired Provisional Application
84.	Laser Capture Microdissection Method and Apparatus	Great Britain Registration/Application Number 958,491	Issued
85.	Consumable for Laser Capture Microdissection	Great Britain Registration/Application Number 1,021,700	Issued
86.	Laser Capture Microdissection Method and Apparatus	German Registration/Application Number 69,814,041	Issued
87.	Consumable for Laser Capture Microdissection	German Registration/Application Number 1,021,700	Issued
88.	Consumable for Laser Capture Microdissection	French Registration/Application Number 1,021,700	Issued
89.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	Australian Registration/Application Number 2003282608	Pending
90.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	Canadian Registration/Application Number 2500603	Pending
91.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	Chinese Registration/Application Number 200380103222.6	Issued
92.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	European Patent Office Registration/Application Number 03774797.9	Pending

Number	Patent Title	Country and Patent Number	Status and Comments
93.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	Japanese Registration/Application Number 2004 543735	Abandoned
94.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	Mexico Registration/Application Number PA/a/2005/003818	Abandoned
95.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	New Zealand Registration/Application Number 539124	Issued
96.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	Patent Cooperation Treaty PCT/US03/32345	Published/Lapsed
97.	Gene Expression Profiling from Formaldehyde Fixed, Paraffin Embedded (FFPE) Samples	United States Registration/Application Number 7,364,846 / 10/329282	Issued
98.	Nucleic Acid Amplification	Patent Cooperation Treaty Registration/Application Number PCT/US 01/50340	Published/Lapsed
99.	Nucleic Acid Amplification	United States Registration/Application Number 6,794,141 / 10/062857	Issued
100.	Quantitative Immunohistochemistry (QIHC)	Patent Cooperation Treaty Registration/Application Number PCT/US 02/05746	Published/Lapsed
101.	Improved Nucleic Acid Amplification	Canadian Registration/Application Number 2477670	Pending

Number	Patent Title	Country and Patent Number	Status and Comments
102.	Improved Nucleic Acid Amplification	Patent Cooperation Treaty Registration/Application Number PCT/US03/07785	Published/Lapsed
103.	Nucleic Acid Amplification	United States Publication/Application Number US 2006-0246434 A1 / 10/507932	Pending
104.	Preservation of RNA Quality and Content in Tissue Sections During Immunohistochemistry	Patent Cooperation Treaty Registration/Application Number PCT/US03/26621	Published/Lapsed
105.	Global Linear Non Biased Nucleic Acid Amplification	European Patent Office Registration/Application Number 04757932.1	Granted
106.	Global Linear Non Biased Nucleic Acid Amplification	Japanese Patent Application derived from International Application Registration/Application Number 507405/2006	Abandoned
107.	Global Linear Non Biased Nucleic Acid Amplification	Patent Cooperation Treaty Registration/Application Number PCT/US04/08553	Published/Lapsed
108.	3' Biased Detection of Nucleic Acids	European Patent Office Registration/Application Number 04754225.3	Pending
109.	3' Biased Detection of Nucleic Acids	Patent Cooperation Treaty Registration/Application Number PCT/US04/17572	Published/Lapsed
110.	Determination of RNA Quality	Patent Cooperation Treaty Registration/Application Number PCT/US05/09087	Published/Lapsed
111.	Consumable for Laser Capture Microdissection and Method of Manufacture	United States Registration/Application Number 7,221,447 / 11/276,887	Issued

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