505856851 01/09/2020 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5903788

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYAR	NCE:	ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
MOLECULAR DEVICES	, INC.		04/09/2010	
RECEIVING PARTY DA	ТА			
Name:	LIFE TEC	HNOLOGIES CORPORATION		
Street Address:	5823 NEV	VTON DRIVE		
City:	CARLSBA	AD		
State/Country:	CALIFOR	NIA		
Postal Code:	92008			
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PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Application Number:	16	208557		
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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 <u>Schedule A</u> 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.

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- 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 Assignce 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.)

ames F. O'Reilly By: Name: Title: Mice President and Secretary

Acknowledgement:

LIFE TECHNOLOGIES CORPORATION

By:	
Sec. 1. 1. 1.	
Name:	
Tistar	
Title:	and the second

[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 anthorized officer as of the date first above written.

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

Dires	
BY:	······································
Name:	
Title:	
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Acknowledgement:

LIFE TECHNOLOGIES CORPORATION

By: Náme: 7 Decontin Secretary ASSOC. Title: ASS General Low Ksel

#### NOTARIAL CERTIFICATE

#### UNITED STATES OF AMERICA ) STATE OF : \$5.1 CITY/COUNTY OF Washington, DC

I. Janice A. Tyler ...., the undersigned Notary Public do hereby certify , as Vice President and Secretary of that James F. O'Reilly 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)

Janie L. The Notary Public

Civilet of Ockembla ; SS Subscribed and Swam to before me day of april this . 2010

Jarine A. T.J. Hotery Puells, U.C. My commission stolices March 14, 2013

Janice A. Tyler Hetary Public, District of Columbia My Commission Explose 3/14/2013

State of California County of <u>San Dieg</u>o }

On <u>April 1, 2010</u> before me, <u>S. Colton, Notary Public</u>, Notary Public, personally appeared <u>Taseph W. Secondine, Tr</u>

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)(il/arssubscribed 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.

WTINESS my hand and official seal.



Signature folton

(Scal)

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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
б.	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

## <u>Schedule A</u> <u>to Patent Assignment</u>

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Number	Patent Title	Country and Patent Number	Status and Comments
<u>11.</u>	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/Lapse
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

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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	MexicoRegistration/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

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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

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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 Though 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

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Number		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

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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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Number	Patent Tiffe	Country and Patent Number	Status and Comments
112.	Laser Capture Microdissection (LCM) Extraction Device and Carrier and Method for LCM Fluid Processing	European Patent Office Registration/Application Number 06004922.8	Pending
113,	Road Map Image for Automated Microdissection	Australian Registration/Application Number 2002235174	Lapsed
114.	Laser Capture Microdissection (LCM) Extraction Device and Device Carrier and Method for Post LCM Fluid Processing	Australian Registration/Application Number 2001259241	Lapsed
115.	Low Volume Filtration Column Devices and Methods of Filtering Therewith	Australian Registration/Application Number 2003254250A1	Lapsed
116,	Improved Nucleic Acid Amplification	Australian Registration/Application Number 2003220249A1	Lapsed
117.	Preservation of RNA Quality and Content in Tissue Sections During Immunohistochemistry	Australian Registration/Application Number 2003290479A1	Lapsed
118.	Laser Capture Microdissection Analysis Vessel	Australian Registration/Application Number 1998060372	Lapsed
119.	Nucleic Acid Amplification	United States Registration/Application Number 12/610,151	Pending (Not published)
120.	3' Biased Microarrays	United States Publication/Application Number US 2006-0087643 A1 / 12/210,807	Pending
121.	Gene Expression Profiling From Ffpe Samples	United States Publication/Application Number US 2009-0082215 A1 / 12/111,745	Pending

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Number	Patent Title	Country and Patent Number	Status and .
			Comments
122.	Consumable for Laser Capture Microdissection and Method of Manufacture Thereof	Japanese Registration/Application Number 2008-039148	Published
123.	Laser Microdissection Apparatus and Method	European Patent Office Registration/Application Number 1787101	Pending
124.	Laser Microdissection Apparatus and Method	Canadian Registration/Application Number 2,580,025	Pending
125.	Global Linear Non-Biased Nucleic Acid Amplification	Great Britain Registration/Application Number 1608784	Issued
126.	Global Linear Non-Biased Nucleic Acid Amplification	French Registration/Application Number 1608784	Issued
127.	Global Linear Non-Biased Nucleic Acid Amplification	German Registration/Application Number 602004019059	Issued
128.	Laser Capture Microdissection Method and Apparatus	Switzerland Registration/Application Number 0958491	Abandoned
129.	Laser Capture Microdissection Method and Apparatus	Italy Registration/Application Number 0958491	Abandoned
130.	Laser Capture Microdissection Method and Apparatus	Luxembourg Registration/Application Number 0958491	Abandoned
131.	Laser Capture Microdissection Method and Apparatus	Monaco Registration/Application Number 0958491	Abandoned
132.	Laser Capture Microdissection Method and Apparatus	Ireland Registration/Application Number 0958491	Abandoned

Number	Patent Fitle	Country and Patent Number	Status and Comments
133.	Laser Capture Microdissection Method and Apparatus	French Registration/Application Number 0958491	Issued
	Method and Mpparatus		

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