PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Source Precision Medicine, Inc. d/b/a Source MDx	05/05/2011

RECEIVING PARTY DATA

Name:	Life Technologies Corporation
Street Address:	5791 Van Allen Way
City:	Carlsbad
State/Country:	CALIFORNIA
Postal Code:	92008

PROPERTY NUMBERS Total: 11

Property Type	Number
Patent Number:	6692916
Patent Number:	6960439
Patent Number:	6964850
Application Number:	10703143
Application Number:	10701391
Application Number:	10742458
Application Number:	11159376
Application Number:	11454553
Application Number:	11827892
Application Number:	12609578
Application Number:	95001032

CORRESPONDENCE DATA

Fax Number: (512)721-3838

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 512-721-3742

PATENT

REEL: 026238 FRAME: 0857

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Email: tracy.sauers@lifetech.com

Correspondent Name: Tracy Sauers

Address Line 1: Life Technologies Corporation
Address Line 2: 2130 Woodward St., Mail Stop 650

Address Line 4: Austin, TEXAS 78744

ATTORNEY DOCKET NUMBER: SOURCE MDX

NAME OF SUBMITTER: Tracy Sauers

Total Attachments: 21

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ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

This Assignment of Patents and Patent Applications ("<u>Patent Assignment</u>"), effective as of May 4, 2011 (the "<u>Effective Date</u>"), is by and between Joseph F. Finn, Jr., as assignee for the benefit of creditors (the "<u>Seller</u>.") of Source Precision Medicine, Inc. (d/b/a "Source MDx") a Delaware corporation (the "<u>Company</u>"), and Life Technologies Corporation, a Delaware corporation (the "<u>Buyer</u>").

WHEREAS, the Buyer and the Seller are parties to that certain Bill of Sale and Sale Agreement, dated as of the date hereof (the "Sale Agreement");

WHEREAS, pursuant to the Sale Agreement, the Seller has agreed to execute and deliver this Patent Assignment;

WHEREAS, the Seller is the owner of the right, title and interest in and to certain patents (the "<u>Patents</u>") and certain patent applications (the "<u>Patent Applications</u>"), each as specified in <u>Schedule 1</u> attached hereto, subject to any and all liens and encumbrances relating to such Patents and Patent Applications previously granted by the Company;

WHEREAS, the Seller is willing to assign to the Buyer its respective rights in such Patents and Patent Applications;

WHEREAS, the Buyer desires to obtain ownership of the Patents and Patent Applications in accordance with the terms and conditions set forth in this Patent Assignment and the Sale Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants and agreements hereinafter set forth, the sufficiency of which is acknowledged, the Buyer and the Seller, intending to be legally bound, hereby agree as follows:

- 1. <u>Assignment</u>. The Seller does hereby irrevocably grant, sell, convey, transfer, assign, deliver and relinquish exclusively to the Buyer, in perpetuity, all of its respective worldwide right, title, and interest in and to all of the Patents and Patent Applications, together with (i) the right to sue for and obtain remedies against past infringement and rights of priority and protection of interest in such Patents and Patent Applications and (ii) the right to file and obtain any continuations, continuations-in-part, reissues, patent term extensions, divisionals and reexamination of the Patents and Patent Applications, as applicable.
- 2. <u>Recordation</u>. In order to record this Patent Assignment with the United States Patent and Trademark Office (the "<u>PTO</u>"), the parties hereto shall execute this Patent Assignment and the Buyer shall execute the Recordation Cover Sheet required by the PTO in order to record the assignment effected hereby. Thereafter, the Buyer shall record the executed Recordation Form Cover Sheet with the PTO, together with any schedules and exhibits thereto, including, but not limited to, this Patent Assignment and <u>Schedule 1</u> hereto.
- 3. <u>Power of Attorney</u>. The Seller does hereby make, constitute and appoint the Buyer (and any officer or agent of the Buyer as the Buyer may select in its exclusive discretion) as the Seller's true and lawful attorney-in-fact, with the power to endorse the Seller's name on all

applications, documents, papers and instruments necessary to implement and effect fully the intentions, purposes and provisions of this Patent Assignment, including, but not limited to, the filing of any instrument of assignment and documents related thereto to effect such assignment in the PTO; <u>provided</u>, that the Buyer shall only be entitled to exercise its rights under this power of attorney with respect to any of the foregoing actions to the extent that the Seller has failed to take such action at the request of the Buyer and following ten (10) days prior written notice to the Seller of the exercise of such rights. This power of attorney shall be irrevocable.

- 4. "AS IS" AND "WHERE IS". EXCEPT AS SET FORTH IN THE SALE AGREEMENT, THE PATENT AND PATENT APPLICATIONS ARE ASSIGNED WITHOUT ANY REPRESENTATIONS OR WARRANTIES OR GUARANTY OF ANY KIND WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY EXPRESS OR IMPLIED REPRESENTATIONS OR WARRANTIES CONCERNING TITLE, QUALITY, QUANTITY, DURABILITY, CONDITION, MERCHANTABILITY, FITNESS FOR ANY PURPOSE, FREEDOM TO OPERATE, DEPENDENT TECHNOLOGY, NON-INFRINGEMENT, VALIDITY OR ANY OTHER ASPECT OF THE SAME. FURTHER, THE PATENT AND PATENT APPLICATIONS ARE ASSIGNED "AS IS" AND "WHERE IS" WITHOUT REPRESENTATION OR WARRANTY AND ALL WARRANTIES EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ASSIGNEE ASSUMES NO RESPONSIBILITY FOR THE CONDITION OR POTENTIAL (OR LACK THEREOF) OF THE PATENT AND PATENT APPLICATIONS. THE PATENT AND PATENT APPLICATIONS MAY BE SUBJECT TO CERTAIN PRE-EXISTING LIENS AND ENCUMBRANCES. SELLER SHALL HAVE NO LIABILITY WHATSOEVER CONCERNING THE PATENT AND PATENT APPLICATIONS, INCLUDING LIABILITY FOR NEGLIGENCE OR ANY OTHER THEORY OF LIABILITY OR CAUSE OF ACTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR SPECIAL DAMAGES ARISING IN ANY WAY WITH RESPECT TO THE PATENT AND PATENT APPLICATIONS, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
- 5. <u>Governing Law</u>. This Patent Assignment shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts and any suit or action hereunder, except as otherwise set forth herein, shall be brought in said jurisdiction.
- 6. <u>Successors and Assigns</u>. This Patent Assignment shall bind the Seller and its successors and assigns and inure to the benefit of Buyer and its successors and assigns.
- 7. <u>Counterparts; Execution</u>. This Patent Assignment may be executed in any number of counterparts, each of which shall be an original, but all of which together shall constitute one instrument. Facsimile and electronic (<u>i.e.</u>, .pdf format) signatures shall be as effective as original signatures.

[Signature page to follow]

This Assignment of Patents and Patent Applications is executed and delivered effective as of the date first set forth above.

SELLER AS ASSIGNEE FOR THE BENEFIT OF CREDITORS OF SOURCE PRECISION MEDICINE, INC., D/B/A SOURCE MDX

By: MynT. Anni Ja

Joseph F. Finn, Jr., as and only as assignee for the benefit of creditors of Source Precision Medicine, Inc., d/b/a "Source MDx", and not individually.

LIFE TECHNOLOGIES CORPORATION

By:_____

Name: Kimberlee Caple

Title: Head of Medical Marketing

5791 Van Allen Way Carlsbad, CA 92008

Telephone: (760) 603-7200

Fax: (760) 602-6500

This Assignment of Patents and Patent Applications is executed and delivered effective as of the date first set forth above.

> SELLER AS ASSIGNEE FOR THE BENEFIT OF CREDITORS OF SOURCE PRECISION MEDICINE, INC., D/B/A **SOURCE MDX**

Joseph F. Finn, Jr., as and only as assignee for the benefit of creditors of Source Precision Medicine, Inc., d/b/a "Source MDx", and not individually.

LIFE TECHNOLOGIES CORPORATION

By: Zunterle Cost Name: Kimberlee Caple

Title: Head of Medical Marketing

5791 Van Allen Way Carlsbad, CA 92008

Telephone: (760) 603-7200

Fax: (760) 602-6500

[SIGNATURE PAGE - ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS]

COUNTY OF [Suffalk	:
STATE OF [MASSACHUSETTS	: ss.: :
before me, the subscriber, a notary public appeared <u>Joseph F. Finh</u> Je. [and who signed the foregoing Bill of Sale an creditors of Source Precision Medicine, Inchereupon acknowledged that the said instru	this the day of MAY, 200, of the Commonwealth of Massachusetts, personally had Sale Agreement as the assignee for the benefit of c., d/b/a Source MDx, the Seller named therein, and he rument made by the Seller was signed, sealed with the such officer and is the voluntary act and deed of the
	Public Notary
	ROGER J. DEVEAY
	MY COMMISSION EXPIRES: 10/05/2012

Schedule 1

Patents and Patent Applications

- A. US Patent 6,692,916
- B. US Patent 6,960,439
- C. US Patent 6,964,850
- D. Foundational patents include (i) any worldwide counterparts of US Patent 6,692,916, US Patent 6,960,439 and US Patent 6,964,850, (ii) any substitutions, continuations, continuations-in-part, or divisional of the foregoing, (iii) any patents, worldwide, issuing on any of the foregoing, (iv) any reissues, re-examinations and extensions thereof, (v) all priority applications of the foregoing and any patent applications or patents seeking priority to those priority applications, and (vi) any patents or patent applications with substantially similar disclosure of the foregoing; in each case, including, without limitation, those items included on <u>Annex I</u> attached to this <u>Schedule 1</u>.

For the avoidance of doubt, the Patent and Patent Applications also include any patent applications related to any of the foregoing (including, without limitation, any such related patent applications disclosed in the Bidder's Package).

Foundational patents are supplemented with Source MDx general laboratory process documents, including:

- a. Process Flow Diagrams
 - Clinical sample receipt
 - Sample processing
 - Plate manufacturing and quality control
 - Replicate data filtering
 - Process overview white paper
- b. Standard Operating Procedures (levels 1-3)
 - General & Administrative 8 SOPs
 - Laboratory 44 SOPs
 - Clinical 8 SOPs
 - Information Technology 27 SOPs

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List

Thursday, May 05, 2011

	United States of America	33743-501/		Japan	33743-501/D01		India	33743-501/D01	Docket Number/Subcase Country Name
Agent Name: Title:	Owner Name Client Name	CIP	Agent Numo Title	Owner Name Client Name	DIV	Agent Name Title	Owner Name Client Name	DIV	Case Type
Systems And Methoc Condition Or Agent U Profiles	Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	10/742458	Agent Name: Shusaku Yamamoto/Osaka Title: Systems And Methods For Condition Or Agent Using I Profiles	Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	2010-111560	Agent Nume: DePenning & DePenning/Chennai Title: Systems And Methods For Charac Condition Or Agent Using Precisio Profiles	19-Dec-2003 Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	3792/CHENP/2008	Serial Number Filing Date
'ame: Title: Systems And Methods For Characterizing A Biological Condition Or Agent Using Precision Gene Expression Profiles	licine, Inc.	2005-0060101	 ame: Shusaku Yamamoto/Osaka Title: Systems And Methods For Characterizing A Biological Condition Or Agent Using Precision Gene Expression Profiles 	i4-Oct-2010 licine, Inc.	2010-227111	<i>'ame:</i> DePenning & DePenning/Chennai <i>Title:</i> Systems And Methods For Characterizing A Biological Condition Or Agent Using Precision Gene Expression Profiles	licine, Inc.		Publication Number/Date
ogical sion			ogical			ogical			Patent Number/Date
Client Ref: 2331/126 Agent Ref:	Attorney(s): IRE	Published	Client Ref: Agent Ref: F1-10A46AZY	Attorney(s): IRE	Published	Client Ref: Agent Ref: 4059-2008/LP/ac	Attorney(s): IRE JRC	Pending	
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Thursday, May
05,2011

Patent List

			33743-501 PRO/004 Australia	Docket Number/Subcase Country Name
Agent Nan	Client Nan	Owner Nan	PCT	Case Type
Agent Name: Griffith Hack/Melbourne	Client Name: Source MDX	Owner Name: Source Precision Medicine, Inc.	2003303238 19-Dec-2003	Serial Number Filing Date
bourne		∕ledicine, Inc.	22-Jul-2010	Publication Number/Date
Client I		Attorney	2003303238 04-Nov-2010	Patent Number/Date
Client Ref: 2331/126AU	JRC IF KAH	Attorney(s): IRE CAK LLN	Granted 19-Dec-2023	Status Expiration Date

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KAH

	Agent Name: Title:	Client Name: Source MDX
Disease and Characterization of Inflammatory Conditions Related to Infectious Disease Using Gene Expression Profiles	Agent Name: Griffith Hack/Melbourne Title: Identification, Monitoring and Treatment of Infectious	Source MDX
	<i>Client Ref</i> : 2331/126AU <i>Agent Ref</i> : P57333.AU	_
	2331/126AU 257333.AU	JRC IF

				Brazil	33743-501 PRO/007
Title:	Agent Name:	Client Name: Source MDX	Owner Name:		PCT
Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles	Agent Name: Dannemann Siemsen/Rio	Source MDX	Owner Name: Source Precision Medicine, Inc.	19-Dec-2003 06-Dec-2005	P10317612-6
Agem Kej: 1135144	Client Ref: 2331/126BR	JKC IF	CAK		Published
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Pending 19-Dec-2023	711 740	Attornavie): IDE CAK III N	1000
Pending)ec-2023	19-0	003
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33743-501 PRO/008 Canada

Agent Name: Title:	PCT 2511237 19-Dec-2003 Owner Name: Source Precis Client Name: Source MDX
Agent Name: Gowling Lafleur/Ottawa Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles	PCT 2511237 19-Dec-2003 Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX
<i>Client Ref</i> : 2331/126CA <i>Agent Ref</i> : L80002609CA	Pending 19-Dec-2023 Attorney(s): IRE CAK LLM JRC IF KAH

Thursday,
May
05, 2
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Patent List

	33743-501 PRO/030 India		33743-501 PRO/019 European Patent Convention		33743-501 PRO/010 China (People's Republic)	Docket Number/Subcase Country Name
Agent Name Title	PCT 1619/CHENP 19-Dec-2003 Owner Name: Source Precis Client Name: Source MDX	Agent Name: Title:	PCT Owner Name. Client Name.	Agent Name: Title:	PCT 200380109850 19-Dec-2003 Owner Name: Source Precis Client Name: Source MDX	Case Type
Agent Name: DePenning & DePenning/Chennai Title: Identification, Monitoring And Transcript And Characterization Of Biological Expression Profiles	PCT 1619/CHENP/2005 19-Dec-2003 Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX		PCT 03808491.9 15790 19-Dec-2003 28-Se Owner Name: Source Precision Medicine, Inc Client Name: Source MDX	Agent Nume: China Science Patent & Trademark Agent Ltd Title: Identification, Monitoring And Treatment Of I And Characterization Of Biological Condition Expression Profiles	PCT 200380109850.5 CN17 19-Dec-2003 22-M Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	Serial Number Filing Date
 (ame: DePenning & DePenning/Chennai Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 	ine, Inc.	 (ame: Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 	1579008 28-Sep-2005 ine, Inc.	 Title: China Science Patent & Trademark Agent Ltd. Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 	CN1751129A 22-Mar-2006 ine, Inc.	Publication Number/Date
Jene .	234094 05-May-2009 <i>Att</i>	ase 1g Gene	<u> </u>	ase g Gene		Patent Number/Date
Client Ref: Agent Ref:	orney(s):	Client Ref: Agent Ref:	Put 19- <i>Attorney(s):</i> IRE JRC	Client Ref: Agent Ref:	Put 19- <i>Attorney(s):</i> IRE JRC	ate
Ref: 2331/126IN Ref: 1619P-05 DJS/md	Granted 19-Dec-2023 IRE CAK JRC IF	' Ref: 2331/126EP ' Ref:	Published 19-Dec-2023 IRE CAK JRC IF	u Ref: 2331/126CN u Ref: PA053437	Published 19-Dec-2023 IRE CAK JRC IF	Status Expiration Date
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PATENT Page: 3 PATENT REEL: 026238 FRAME: 0867

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Thursday, May 05, 2011

<i>Client Ref</i> : 2331/126JP <i>Agent Ref</i> : F1-05G71AI2	j ene	Vame: Shusaku Yamamoto/Osaka Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles	Agent Name: Shusaku Yamamoto/Osaka Title: Identification, Monitoring And Characterization Of Bic Expression Profiles	Agent Nam Tit	
Attorney(s): IRE CAK LLM JRC IF KAH	Attorne	edicine, Inc.	Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	Owner Nam Client Nam	
Published 19-Dec-2023		06-510382 30-Mar-2006	2004-562300 19-Dec-2003	PCT	33743-501 PRO/032 Japan
Status Expiration Date	Patent Number/Date	Publication Number/Date	Serial Number Filing Date	Case Type	Docket Number/Subcase Country Name

33743-501 PRO/042 Mexico Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX Agent Name: Becerril, Coca & Becerril, SC PCT *Title:* Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 2005/006804 19-Dec-2003 Attorney(s): IRE CAK
JRC IF Agent Ref: P05/997F Client Ref: 2331/126MX Pending 19-Dec-2023 LLM KAH

	Title	Agent Namu		Client Name	Owner Name		PCT
Condition Or Agent U	e: System And Methods	Agent Name: Griffith Hack/Melbourne		Client Name: Source MDX	Owner Name: Source Precision Medicine, Inc.	28-Jun-2000	58985/00
Condition Or Agent Using Calibrated Gene Expression	Title: System And Methods For Characterizing A Biologica	ırne			dicine, Inc.	23-Feb-2006	784233
ssion	ogical Agent Ref: AJS:JK:P44504	Client Ref: 2331/109AL			Attorney(s): IRE CAK	22-Jun-2006	784233
	ef: A	ef: 23		JR	S): IR	K)	_
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Thursday, May 05, 2011

	33743-503/032 Japan		33743-503/029 Israel		33743-503/008 Canada	Docket Number/Subcase Country Name
Agent Name: Title:	PCT 2001-528624 28-Jun-2000 Owner Name: Source Precis	Agent Name: Title:	PCT 147349 28-Jun-2000 Owner Name: Source Precis Client Name: Source MDX	Agent Name: Title:	PCT 2378008 28-Jun-2000 Owner Name: Source Precis Client Name: Source MDX	Case Type
Agent Name: Yamasaki Law & Patent Office Title: System And Methods For Char: Condition Or Agent Using Calib Profiles	PCT 2001-528624 04-52 28-Jun-2000 16-Se Owner Name: Source Precision Medicine, Inc Client Name: Source MDX	Agent Name: Dr. Shlomo Cohen & Co. Title: System And Methods For Condition Or Agent Using Profiles	PCT 147349 28-Jun-2000 Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	Agent Name: Gowling Lafleur/Ottawa Title: System And Methods Fc Condition Or Agent Usin Profiles	PCT 2378008 28-Jun-2000 Owner Name: Source Precision Medicine, Inc Client Name: Source MDX	Serial Number Filing Date
 (ame: Yamasaki Law & Patent Office Title: System And Methods For Characterizing A Biological Condition Or Agent Using Calibrated Gene Expression Profiles 	04-528526 16-Sep-2004 :ine, Inc.	 Iame: Dr. Shlomo Cohen & Co. Title: System And Methods For Characterizing A Biological Condition Or Agent Using Calibrated Gene Expression Profiles 	ine, Inc.	 (ame: Gowling Lafleur/Ottawa Title: System And Methods For Characterizing A Biological Condition Or Agent Using Calibrated Gene Expression Profiles 	ine, Inc.	Publication Number/Date
<i>Client Ref</i> : 2331/109JP ical <i>Agent Ref</i> : P6722 sion	Published 28-Jun-2020 <i>Attorney(s):</i> IRE CAK JRC IF	Clien Agen	Pending 28-Jun-2020 <i>Attorney(s):</i> IRE CAK JRC IF	Client Ref: 2331/109CA ical Agent Ref: 08893607CA ion	Pending 28-Jun-2020 Attorney(s): IRE CAK JRC IF	Patent Number/Date
9JP	_	t Ref: 2331/1091L t Ref: 09710/0009.000			_	Status Expiration Date
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	33743-503 CIP 2/ United States of America	·	33743-503 CIP/ United States of America		33743-503/054 Singapore	Docket Number/Subcase Country Name	Thursday, May 05, 2011
Agent Name: Title:	CIP Owner Name Client Name	Agent Name: Title:	CIP Owner Name Client Name	Agent Name Tüle	PCT Owner Name Client Name	Case Type	
	CIP 10/291225 2004- 08-Nov-2002 08-Ju Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	SYSTEM AND MET BIOLOGICAL COND PRECISION GENE E	CIP 09/821850 2003- 29-Mar-2001 11-D Owner Name: Source Precision Medicine, Inc Client Name: Source MDX	Agent Nume: Henry Goh (S) Pte Ltd/Singapor Title: System And Methods For Chara Condition Or Agent Using Calibu Profiles	PCT 200107981-3 28-Jun-2000 Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	Serial Number Filing Date	
'ame: Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles	2004-0133352 08-Jul-2004 dicine, Inc.	<i>'ame: Title:</i> SYSTEM AND METHODS FOR CHARACTERIZING A BIOLOGICAL CONDITION OR AGENT USING PRECISION GENE EXPRESSION PROFILES	2003-0229455 11-Dec-2003 ficine, Inc.	<i>Title:</i> Henry Goh (S) Pte Ltd/Singapor <i>Title:</i> System And Methods For Characterizing A Biological Condition Or Agent Using Calibrated Gene Expression Profiles	licine, Inc.	Publication Number/Date	Patent List
Gene	6,960,439 01-Nov-2005 Attorne		6,692,916 17-Feb-2004 Attorne	Clien Agen	85924 30-Jun-2006 <i>Attorne</i>	Patent Number/Date	
Client Ref: 2331/120 Agent Ref:	Granted 005 <i>Attorney(s):</i> IRE CAK JRC IF	Client Ref: 2331/112 Agent Ref:	Granted 004 <i>Attorney(s):</i> IRE CAK JRC IF	t Ref: 2331/109SG t Ref: SP-1289	Granted 06 28-Jun-2020 <i>Attorney(s):</i> IRE CAK JRC IF	Status Expiration Date	
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Page: 6 PATENT REEL: 026238 FRAME: 0870

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	odpan	33743-504/D01		United States of America	33743-503 CIP DIV 2/		United States of America	33743-503 CIP DIV/	Docket Number/Subcase Country Name	•
Agent Nam Tit	Owner Name: Client Name:	DIV	Agent Name: Title:	Owner Nam Client Nam	DIV	Agent Name: Title:	Owner Nam Client Nam	DIV	Case Type	
Agent Name: Yamasaki Law & Patent Office Title: Identification, Monitoring And And Characterization Of Biolog		2010-254661 08-Nov-2002	ee: lee: System And Methoo Condition Or Agent Profiles	Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	10/701391	e: E: System And Methoc Condition Or Agent I Profiles	03-Nov-2003 04-Nov-2003 Owner Name: Source Precision Medicine, Inc. Client Name: Source MDX	10/703143	Serial Number Filing Date	
'ame: Yamasaki Law & Patent Office Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene		2011-067214 07-Apr-2011	 ame: Title: System And Methods For Characterizing A Biological Condition Or Agent Using Selected Gene Expression Profiles 	edicine, Inc.	2004-0224322	 Iame: Title: System And Methods For Characterizing A Biological Condition Or Agent Using Selected Gene Expression Profiles 	04-Nov-2004 edicine, Inc.	2004-0219568	Publication Number/Date	
Client Ref: ase Agent Ref: P8544 _{1g} Gene	<i>Attorney(s):</i> IRE JRC			<i>Attorney(s):</i> IRE JRC			Attorney(s): IRE JRC		Patent Number/Date	
<i>f</i> : <i>f</i> : P8544): IRE CAK JRC IF	Published	Client Ref: 2331/123 Agent Ref:); IRE CAK JRC IF	Published	Client Ref: 2331/122 Agent Ref:): IRE CAK JRC IF	Published	Status Expiration Date	
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	United States of America	33743-504/RE1			33743-504/C03 United States of America			33743-504/ United States of America	Docket Number/Subcase Country Name	Thursday, May 05, 2011
Agent Name: Title:	Owner Name: Client Name: Source MDX	REX	Agent Name: Title:	Owner Name: Client Name: Source MDX	CON	Agent Name: Title:	Owner Name: Client Name: Source MDX	ORD	Case Type	
	Source MDX	95/001032		Source MDX	12/609578 30-Oct-2009		Source MDX	10/291856 08-Nov-2002	Serial Number Filing Date	
 Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 			 (ame: Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 		2010-0086935 08-Apr-2010	 Iame: Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 		2003-0219771 27-Nov-2003	Publication Number/Date	Patent List
Client Ref: ease Agent Ref: ing Gene	Attorney(s): IRE JRC	6,964,850	Client Ref: ease Agent Ref: ng Gene	Attorney(s): IRE JRC		jene	<i>Anorney(s):</i> IRE JRC	6,964,850 15-Nov-2005	Patent Number/Date	
	IRE CAK LLM JRC IF KAH	Pending		: IRE CAK LLM JRC IF KAH	blished	2331/119	IRE CAN LLM JRC IF KAH	anted	Status Expiration Date	

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Page: 9

Thursday, May 05, 2011

	33743-504 PRO A/010 China (People's Republic)		33743-504 PRO A/008 Canada		United States of America	33743-504 CON 2/	Docket Number/Subcase Country Name
Agent Name Title	PCT Owner Name: Client Name:	Agent Name Title	PCT Owner Name: Client Name:	Agent Name: Title:	Owner Name: Client Name:	CON	Case Type
Agent Name: NPA International, Inc. Title: Identification, Monitori And Characterization O Expression Profiles	PCT 02826908.X 08-Nov-2002 Owner Name: Client Name: Source MDX	Agent Name: Gowling Lafleur/Toronto Title: Identification, Monitoring And Characterization Of E Expression Profiles	PCT 2466502 08-Nov-2002 Owner Name: Client Name: Source MDX		22-Jun-2005 Owner Name: Client Name: Source MDX	11/159376	Serial Number Filing Date
 (ame: NPA International, Inc.) Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 	CN1612936A 04-May-2005	 Title: Gowling Lafleur/Toronto Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 		 Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles 	10-Nov-2005	2005-0250148	Publication Number/Date
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Client Ref: Agent Ref:	Pub 08- Attorney(s): IRE JRC	Client Ref: Agent Ref:	Per 08- Attorney(s): IRE JRC	Client Ref: Agent Ref:	Attorney(s): IRE JRC		/Date
Ref: 2331/119CN Ref: MA10-P04/1454	Published 08-Nov-2022 IRE CAK JRC IF	<i>Client Ref</i> : 2331/119CA <i>Agent Ref</i> : L80001926CA	Pending 08-Nov-2022 IRE CAK JRC IF	Ref: 2331/135 Ref:	IRE CAK JRC IF	Allowed	Status Expiration Date
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		1451340 01-Sep-2004	02792239.2 08-Nov-2002	PCT	33743-504 PRO A/019 European Patent Convention
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				India	33743-504 PRO A/030
Agent Namı Titl		Client Name	Owner Name:		PCT
Agent Name: DePenning & DePenning/Chennai Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles		Client Name: Source MDX		08-Nov-2002	984/CHENP/2004
Clien Agen Jene			Attorney	27-Jan-2009	227975
t Ref: 2331/119IN t Ref: 1266-2004		JRC IF	y(s): IRE CAK	08-Nov-2022	Granted
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Title: Identification, Monitoring And Treatment Of Disease And Characterization Of Biological Condition Using Gene Expression Profiles

Client Ref: 2331/119EP Agent Ref:

Agent Name:

Owner Name: Client Name: Source MDX Agent Name: Yamasaki Law & Patent Office PCT Title: Identification, Monitoring And Treatment Of Disease
And Characterization Of Biological Condition Using Gene
Expression Profiles 2003-542649 08-Nov-2002 31-Mar-2005 2005508505 Attorney(s): IRE CA Agent Ref: P7176 Client Ref: 2331/119JP 08-Nov-2022 Published CAK LLM KAH

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PCT 2612492 16-Jun-2006 Owner Name: Client Name: Source MDX Agent Name: Ridout & Ma Title: Gene Express Monitoring Ot	PCT 2007272824 13-Jul-2007 Owner Name: Client Name: Source MDX Agent Name: Cullens/Brish Title: Gene Express And Treatmer	PCT 2006259306 Owner Name: Client Name: Source MDX Agent Name: Cullens/Brish Title: Gene Express Monitoring O	Case Type
PCT 2612492 16-Jun-2006 Owner Name: Client Name: Source MDX Agent Name: Ridout & Maybee/Mississauga Title: Gene Expression Profiling For Ic Monitoring Of Multiple Sclerosis	PCT 2007272824 13-Jul-2007 Owner Name: Client Name: Source MDX Agent Name: Cullens/Brisbane Title: Gene Expression Profiling For Ident And Treatment Of Multiple Sclerosis	PCT 2006259306 Owner Name: Client Name: Source MDX Agent Name: Cullens/Brisbane Title: Gene Expression Profiling For Ic Monitoring Of Multiple Sclerosis	Serial Number Filing Date
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Agent Name: Title:	PCT Owner Name: Client Name:	Agent Nan Tii	PCT Owner Name: Client Name:	Agent Nan Tit	PCT Owner Name: Client Name:	Case Type
<i>ne: le:</i> Gene Expression Profiling For Id Monitoring Of Multiple Sclerosis	PCT 09154300.9 16-Jun-2006 Owner Name: Client Name: Source MDX	Agent Name: Mintz Levin London Title: Gene Expression Profiling For Identi And Treatment Of Multiple Sclerosis	PCT 07810433.8 13-Jul-2007 Owner Name: Client Name: Source MDX	Agent Name: Ridout & Maybee/Ottawa Title: Gene Expression Profiling For Identi And Treatment Of Multiple Sclerosis	PCT 2658171 13-Jul-2007 Owner Name: Client Name: Source MDX	Serial Number Filing Date
lame:Title: Gene Expression Profiling For Identification And Monitoring Of Multiple Sclerosis	2062981 27-May-2009	'ame: Mintz Levin LondonTitle: Gene Expression Profiling For Identification, Monitoring And Treatment Of Multiple Sclerosis	2069533 17-Jun-2009	lame: Ridout & Maybee/OttawaTitle: Gene Expression Profiling For Identification, Monitoring And Treatment Of Multiple Sclerosis		Publication Number/Date
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	Published	Pu		2008-0183395 31-Jul-2008	11/827892 13-Jul-2007	CIP	33743-507 CIP/
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