

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM588158

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Security Agreement		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Metabolon, Inc.		07/22/2020	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Perceptive Credit Holdings III, LP		
<b>Street Address:</b>	51 Astor Place, 10th Floor		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10003		
<b>Entity Type:</b>	Limited Partnership: DELAWARE		
<b>PROPERTY NUMBERS Total: 10</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4746986	LIPOMICS	
<b>Registration Number:</b>	4727737		
<b>Registration Number:</b>	5476323	META IMD	
<b>Registration Number:</b>	3058960	METABOLON	
<b>Registration Number:</b>	3530800	METABOLON	
<b>Registration Number:</b>	4814724	METABOLON	
<b>Registration Number:</b>	4801218	METABOLYNC	
<b>Registration Number:</b>	5618320	PRECISION METABOLOMICS	
<b>Registration Number:</b>	4956087	QUANTOSE	
<b>Registration Number:</b>	4727739	TRUEMASS	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>			
<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>			
<b>Phone:</b>	212-655-2545		
<b>Email:</b>	kwinstead@chapman.com		
<b>Correspondent Name:</b>	Chapman and Cutler LLP		
<b>Address Line 1:</b>	1270 6th Avenue, 30th Floor		
<b>Address Line 2:</b>	Kelly Winstead		
<b>Address Line 4:</b>	New York, NEW YORK 10020		

OP \$265.00 4746986





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**PATENT AND TRADEMARK SECURITY AGREEMENT**

July 22, 2020

WHEREAS, METABOLON, INC., a Delaware corporation (the “*Company*”), LACM, INC., a North Carolina corporation (“*LACM*”) and each entity that becomes a “Grantor” under the Security Agreement (together with the Company and LACM “*Grantors*” and each, a “*Grantor*”) are parties to that certain Security Agreement, dated as of the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the “*Security Agreement*”; capitalized terms used herein without definition shall have the meanings set forth in the Security Agreement), among certain Grantors party thereto from time to time and PERCEPTIVE CREDIT HOLDINGS III, LP, a Delaware limited partnership, as administrative agent for the Secured Parties (in such capacity, the “*Administrative Agent*”), pursuant to which Grantors have granted in favor of the Administrative Agent a lien on all of their personal property, including without limitation the patents and patent applications listed on Schedule A hereto, and the trademarks and trademark applications listed on Schedule B hereto; and

WHEREAS, it is a condition to the advance of the loans and other obligations secured by the Security Agreement, that each Grantor execute and deliver this Patent and Trademark Security Agreement;

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

As collateral security for the prompt and complete payment in full and performance when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations, each Grantor hereby pledges and grants to the Administrative Agent a security interest in accordance with and subject to the terms and conditions of the Security Agreement (and the Intellectual Property referenced therein) in all of such Grantor’s right, title and interest in, to and under all of the following:

(i) all patents and patent applications, including the inventions and improvements described and claimed therein, in each case whether now owned by such Grantor or hereafter acquired by such Grantor and whether now existing or hereafter coming into existence, including without limitation those listed on **Schedule A** hereto, and all related reissues, divisions, continuations, renewals, extensions and continuations in part thereof; and

(ii) all of the trade names, trademarks and service marks, logos, trademark and service mark registrations, and applications for trademark and service mark registrations, whether now owned by such Grantor or at any time hereafter acquired by such Grantor and whether now existing or hereafter coming into existence, that are registered with, or for which applications for registration have been filed with, the United States Patent and Trademark Office, including the trademarks listed on **Schedule B** hereto, and all renewals of trademark and service mark registrations and all goodwill associated therewith (excluding any application for registration of a trademark filed on an intent-to-use basis solely to the extent that the grant of a security interest in

any such trademark application would materially adversely affect the validity or enforceability of the resulting trademark registration or result in cancellation of such trademark application).

Notwithstanding the foregoing, in the event of any conflict between this Patent and Trademark Security Agreement and the Security Agreement, the Security Agreement shall control.

This Patent and Trademark Security Agreement and the rights and obligations of the parties hereunder shall be governed by, and construed in accordance with, the law of the State of New York, without regard to principles of conflicts of laws that would result in the application of the laws of any other jurisdiction; provided, that Section 5-1401 of the New York General Obligations Law shall apply.

[signature to follow]

IN WITNESS WHEREOF, the Company has caused this Patent and Trademark Security Agreement to be duly executed and delivered as of the day and year first above written.

METABOLON, INC.

By:   
Name: John Kurtzweil  
Title: Chief Financial Officer

LACM, INC.

By:   
Name: John Kurtzweil  
Title: Chief Financial Officer

ADMINISTRATIVE AGENT:

PERCEPTIVE CREDIT HOLDINGS III, LP

By: Perceptive Credit Opportunities GP, LLC,  
its general partner

By: S. Dixit  
Name: Sandeep Dixit  
Title: Chief Credit Officer

By: \_\_\_\_\_  
Name: Sam Chawla  
Title: Portfolio Manager



ADMINISTRATIVE AGENT:

PERCEPTIVE CREDIT HOLDINGS III, LP

By: Perceptive Credit Opportunities GP, LLC,  
its general partner

By: \_\_\_\_\_

Name: Sandeep Dixit

Title: Chief Credit Officer

By: \_\_\_\_\_  
DocuSigned by:  
*Sam Chawla*  
22AB09C4A7E748E...

Name: Sam Chawla

Title: Portfolio Manager

SIGNATURE PAGE

PATENT AND TRADEMARK SECURITY AGREEMENT

**TRADEMARK**

**REEL: 007006 FRAME: 0425**

**Schedule A  
to Patent and Trademark Security Agreement**

PATENTS AND PATENT APPLICATIONS

See attached.

Exhibit A

Trademark	Case Name/Subcase Country Name	Application Number/ Date	Publication Number/Date	Registration Number/Date	Status Renewal
LIPOMICS	15665 066-T001 United States of America <i>Class(es):</i> 42 <i>Agent Name:</i> <i>Division:</i>	86400298 19-Sep-2014	17-Mar-2015	4746086 02-Jan-2015	Registered 02-Jan-2025
Lipomics Logo	15665 084-T001 United States of America <i>Class(es):</i> 42 <i>Agent Name:</i> <i>Division:</i>	86400276 19-Sep-2014	10-Feb-2015	4727737 28-Apr-2015	Registered 28-Apr-2025
META IMD	15665 104-T001 United States of America <i>Class(es):</i> 5 <i>Agent Name:</i> <i>Division:</i>	87192135 04-Oct-2016	25-Jul-2017	5478125 23-May-2018	Registered 23-May-2028
METABOLON	15665 087-T001 United States of America <i>Class(es):</i> 42 <i>Agent Name:</i> <i>Division:</i>	78561333 05-Feb-2005	22-Nov-2005	3,078,960 14-Feb-2006	Registered 14-Feb-2026
METABOLON & Design	15665 028-T001 United States of America <i>Class(es):</i> 42 <i>Agent Name:</i> <i>Division:</i>	77445519 09-Apr-2008	26-Aug-2008	3530800 11-Nov-2008	Registered 11-Nov-2028
METABOLON Metabolan Design	15665 082-T001 United States of America <i>Class(es):</i> 42 <i>Agent Name:</i> <i>Division:</i>	86442915 03-Nov-2014	07-Apr-2015	4814724 15-Sep-2015	Registered 15-Sep-2025
METABOLYN & Design	15665 083-T001 United States of America <i>Class(es):</i> 41, 42, 44 <i>Agent Name:</i> <i>Division:</i>	86442918 03-Nov-2014	17-Mar-2015	4801718 25-Aug-2015	Registered 25-Aug-2025
PRECISION METABOLOMICS	15665 111-T001 United States of America <i>Class(es):</i> 42 <i>Agent Name:</i> <i>Division:</i>	87438891 05-May-2017	27-Mar-2018	5618326 27-Nov-2018	Registered 27-Nov-2028
QUANTOSE	15665 399-T001 United States of America <i>Class(es):</i> 5 <i>Agent Name:</i> <i>Division:</i>	87469464 08-Nov-2011	24-Apr-2012	4950027 10-May-2015	Registered 10-May-2026
TRUEMASS	15665 085-T001 United States of America <i>Class(es):</i> 42 <i>Agent Name:</i> <i>Division:</i>	86400285 19-Sep-2014	10-Feb-2015	4727739 28-Apr-2015	Registered 28-Apr-2025



METABOLON®

Various International Offices to 3007

Granted Applications by Division Biomarkers

Wednesday, June 17, 2020

Page 1 of 50

Matter Number, Country, Sub Case

Case Type

Attorneys

Application Number, Date

Publication Number, Date

Patent Number, Date

0005PCT

Australia

168

DIV

AU 2014216035

29-Aug-2014

AU 2014216035

18-Sep-2014

AU 2014216035

22-Dec-2016

BGL

Title METHOD FOR DETERMINING INSULIN SENSITIVITY WITH BIOMARKERS

Status Granted

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Barks Gleson & Liene

Attorney Docket

13778-4

Expiration Date

17-Jul-2028

0005PCT

Australia

212

DIV

AU2016206265

19-Jun-2016

AU2016206265

04-Aug-2016

AU2016206265

07-Jun-2018

BGL

Title METHOD FOR DETERMINING INSULIN SENSITIVITY WITH BIOMARKERS

Status Granted

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Barks Gleson & Liene

Attorney Docket

13778-4

Expiration Date

17-Jul-2028

0005PCT

Australia

61

PCT

AU 2008279778

14-Jan-2010

AU 2008279778

10-Sep-2014

AU 2008279778

09-Jan-2015

BGL

Title METHOD FOR DETERMINING INSULIN SENSITIVITY WITH BIOMARKERS

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Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Barks Gleson & Liene

Attorney Docket

13778-4

Expiration Date

17-Jul-2028

0005PCT

European Patent Convention

57

PCT

EP 08780229.4

08-Dec-2009

EP 2164977

24-Mar-2010

EP 2164977

30-Oct-2013

BGL

Title BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status Granted

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Murgitroyd & Company Limited

Attorney Docket

13778-4

Expiration Date

17-Jul-2028

TRADEMARK

REEL: 007006 FRAME: 0428



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Granted Applications by Division Biomarkers

Wednesday, June 17, 2020

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Matter Number, Country, Sub Case

Case Type

Alternatives

Application Number, Date

Publication Number, Date

Patent Number, Date

0005PCT

France

57FR

EPP

EP 08780229.4

08-Dec-2009

EP 2164977

24-Mar-2010

EP 2,164,977

30-Oct-2013

BGL

Title

BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status

Granted

Expiration Date

17-Jul-2028

Division

Biomarkers

Assignee

Metabolon, Inc.

Agent and Reference

Murgitroyd & Company Limited

P114868 EP 01

0005PCT

Germany

57DE

EPP

EP 08780229.4

08-Dec-2009

EP 2164977

24-Mar-2010

DE 2,164,977

30-Oct-2013

BGL

Title

BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status

Granted

Expiration Date

17-Jul-2028

Division

Biomarkers

Assignee

Metabolon, Inc.

Agent and Reference

Murgitroyd & Company Limited

P114868 EP 01

0005PCT

Hong Kong

71

REP

HK 10109028.5

08-Dec-2009

HK 1142636

10-Dec-2010

HK 1142636

28-Mar-2014

BGL

BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status

Granted

Expiration Date

17-Jul-2027

Division

Biomarkers

Assignee

Metabolon, Inc.

Agent and Reference

Murgitroyd & Company Limited

P114868 EP 01/481/10

0005PCT

Ireland

57IE

EPP

EP 08780229.4

08-Dec-2009

EP 2164977

24-Mar-2010

IE 2,164,977

30-Oct-2013

BGL

BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status

Granted

Expiration Date

17-Jul-2028

Division

Biomarkers

Assignee

Metabolon, Inc.

Agent and Reference

Murgitroyd & Company Limited

P114868 EP 01

TRADEMARK

REEL: 007006 FRAME: 0429



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Matter Number, Country, Sub Case

Case Type

Attorneys

Application Number	Date	Publication Number	Date	Patent Number	Date
0005PCT	Japan	175		BGL	
		Div			
		2014-218116	2015-084382	JP 5,876,918	
		27-Oct-2014	09-Apr-2015	29-Jan-2016	

Title	Granted	Biomarkers FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME	Expiration Date	17-Jul-2028
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Asamura Patent Office	Attorney Docket	13778-4	
		481/10/2 JP		

0005PCT	Japan	58		BGL	
		PCT			
		JP 2010-517019	JP 2010537157	JP 5,701,601	
		15-Jan-2010	02-Dec-2010	27-Feb-2015	
Title	Granted	Biomarkers FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME	Expiration Date	17-Jul-2028	
Status	Granted				
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Asamura Patent Office	Attorney Docket	13778-4		
		PA-38020/C/J / 481/10			

0005PCT	Mexico	129		BGL	
		Div			
		MX/a/2010/008169	MX 341954	09-Sep-2016	
		12-Jul-2013			
Title	Granted	Biomarkers FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME	Expiration Date	17-Jul-2028	
Status	Granted				
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Banks Gilson & Linn	Attorney Docket	13778-4		
		481/10/2 MX			

0005PCT	Mexico	59		BGL	
		PCT			
		MX/a/2010/000414	MX 2010000414	MX 315,308	
		14-Jan-2010	01-Apr-2010	13-Nov-2013	
Title	Granted	Biomarkers FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME	Expiration Date	17-Jul-2028	
Status	Granted				
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Banks Gilson & Linn	Attorney Docket	13778-4		
		20747/J/J/J/2/y/v			

TRADEMARK

REEL: 007006 FRAME: 0430



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Granted Applications by Division Biomarkers

Wednesday, June 17, 2020

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Matter Number, Country, Sub Case

Case Type

Attorneys

Application Number, Date

Publication Number, Date

Patent Number, Date

0005PCT

Singapore

62

PCT

PCT/JUS2008/008756  
17-Dec-2009

SG 157.785

BGL  
SG 157.785  
13-Jul-2012

Title BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status Granted

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Barks Gison & Lione 23832SG41KJRL/CL/ek

Attorney Docket

13778-4

Expiration Date

17-Jul-2028

0005PCT

Spain

57ES

EPP

EP 08780229.4  
08-Dec-2009

EP 2164977  
24-Mar-2010

BGL  
EP 2.164.977  
30-Oct-2013

Title BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status Granted

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Murgitroyd & Company Limited P114868 EP 01

Attorney Docket

13778-4

Expiration Date

17-Jul-2028

0005PCT

Switzerland

57CH

EPP

EP 08780229.4  
08-Dec-2009

EP 2164977  
24-Mar-2010

BGL  
EP 2.164.977  
30-Oct-2013

Title BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status Granted

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Murgitroyd & Company Limited P114868 EP 01

Attorney Docket

13778-4

Expiration Date

17-Jul-2028

0005PCT

United Kingdom

57GB

EPP

EP 08780229.4  
08-Dec-2009

EP 2164977  
24-Mar-2010

BGL  
EP 2.164.977  
30-Oct-2013

Title BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME

Status Granted

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference Murgitroyd & Company Limited P114868 EP 01

Attorney Docket

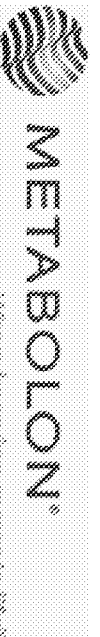
13778-4

Expiration Date

17-Jul-2028

TRADEMARK

REEL: 007006 FRAME: 0431



### Granted Applications by Division Biomarkers

Matter Number, Country, Sub Case

Case Type

Application Number, Date

Publication Number, Date

Attorneys  
Patent Number, Date

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys Patent Number, Date
0005US1	United States of America	130		BGL
		CON		
		13986,475	US 2013-0330031	US 8,809,008
		14-Aug-2013	19-Dec-2013	19-Aug-2014
Title	Granted	Biomarkers for Impaired Glucose Tolerance and Methods Using the Same		
Status	Granted			26-Jun-2028
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gleson & Lione	481/10/3 UTIL		

0005US1	United States of America	167		BGL
		CON		
		14/324,889	US 2015-0305195	US 9,250,225
		07-Jul-2014	01-Jan-2015	02-Feb-2016
Title	Granted	Biomarkers for Insulin Resistance and Methods Using the Same		
Status	Granted			17-Jul-2028
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gleson & Lione	481/10/4 UTIL		

0005US1	United States of America	196		BGL
		CON		
		14/975,988	US2016/0178620	US 10,175,233
		21-Dec-2015	23-Jun-2016	09-Jan-2019
Title	Granted	Biomarkers for Pre-Diabetes, Cardiovascular Diseases, and Other Metabolic Syndrome Related Disorders and Methods Using the Same		
Status	Granted			17-Jul-2028
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	NKLAW, PLLC	481/10/5 UTIL		

0005US1	United States of America	3		BGL
		PCT		
		12/216,980	US2009-0156826A1	US 8,187,830
		17-Jul-2008	18-Jan-2009	29-May-2012
Title	Granted	METHOD FOR DETERMINING INSULIN SENSITIVITY WITH BIOMARKERS		
Status	Granted			26-Jun-2028
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gleson & Lione	481/10 UTIL		





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### Granted Applications by Division Biomarkers

Wednesday, June 17, 2020

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Attorneys	Patent Number	Date
0005US1	United States of America	97	Div	13457 520	27-Apr-2012	2012/0208245A1	16-Aug-2012	BGL	US 8,546,098	01-Oct-2013
Title	BIOMARKERS FOR MONITORING INSULIN RESISTANCE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lieme									
481/10/2 UTIL										
0008US1	United States of America	6	PCT	11/714 518	27-Feb-2007	2007-0298998A1	27-Dec-2007	BGL	US 8,841,077	23-Sep-2014
Title	BIOMARKERS FOR AMYOTROPHIC LATERAL SCLEROSIS AND METHODS OF USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lieme									
483/4 UTIL										
0010US1	United States of America	41	PCT	12/300 000	27-May-2009	US2010/0197626A1	05-Aug-2010	BGL	US 8,394,354	12-Mar-2013
Title	BIOMARKERS FOR DEPRESSION AND METHODS USING SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lieme									
483/5 UTIL										
0011EP1	European Patent Convention	54	PCT	EP 07868433.6	12-Oct-2007	EP 2,089,539	19-Aug-2009	BGL	EP 2,089,539	07-Dec-2014
Title	BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Mauritroyd & Company Limited									
481/9 EP										

TRADEMARK

REEL: 007006 FRAME: 0433



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Without Infringing Others' Rights

Granted Applications by Division Biomarkers

Wednesday, June 17, 2020  
Page 7 of 50

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0011EP1	France	92 EPP 07868439.6 12-Oct-2007	2089539 19-Aug-2009	BGL EP 2,089,539 07-Dec-2011
Title	BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Murgitroyd & Company Limited 481/9 FR			
0011EP1	Germany	93 EPP 07868439.6 12-Oct-2007	2089539 19-Aug-2009	BGL EP 2,089,539 07-Dec-2011
Title	BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Murgitroyd & Company Limited 481/9 DE			
0011EP1	Ireland	96 EPP 07868439.6 12-Oct-2007	2089539 19-Aug-2009	BGL EP 2,089,539 07-Dec-2011
Title	BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Murgitroyd & Company Limited 481/9 IE			
0011EP1	Switzerland	96 EPP 07868439.6 12-Oct-2007	2089539 19-Aug-2009	BGL EP 2,089,539 07-Dec-2011
Title	BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Murgitroyd & Company Limited 481/9 CH			

TRADEMARK

REEL: 007006 FRAME: 0434



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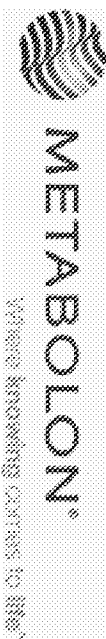
Granted Applications by Division Biomarkers

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0011EP1	United Kingdom	94 EPP 07888439.5 12-Oct-2007	2089539 19-Aug-2009	BGL EP 2,089,539 07-Dec-2011
Title		BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Murgitroyd & Company Limited 481/9 GB		
0011JP1	Japan	51 PCT 2009-532611 10-Apr-2009	2010-507075 04-Mar-2010	BGL JP 5,363,984 13-Sep-2013
Title		BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Birks Gibson & Lyons 481/9 JP		
0011US1	United States of America	16 PCT 11871.752 12-Oct-2007	2008-0124752A1 28-May-2008	BGL US 7,781,160 24-Aug-2010
Title		BIOMARKERS RELATED TO METABOLIC AGE AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Birks Gibson & Lyons 481/9 US		
0012AU1	Australia	46 PCT AU 2007299846 18-Sep-2007	AU 2007299846 27-Mar-2008	BGL AU 2007299846 06-Mar-2015
Title		BIOMARKERS FOR PROSTATE CANCER AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Watermark 481/8 AU		

TRADEMARK

REEL: 007006 FRAME: 0435



Granted Applications by Division Biomarkers

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0012EP1	European Patent Convention	48			
		PCT		BGL	
		EP 07842724.2	EP 2061899	EP 2,061,899	
		23-Mar-2009	27-May-2009	29-Aug-2012	
Title	BIOMARKERS FOR PROSTATE CANCER AND METHODS USING THE SAME				
Status	Granted				18-Sep-2027
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Harrison Goddard Foote	481/8 EP			
0012EP1	France	100			
		EPP			BGL
		EP 07842724.2	EP 2061899	FR 2,061,899	
		29-Mar-2009	27-May-2009	29-Aug-2012	
Title	BIOMARKERS FOR PROSTATE CANCER AND METHODS USING THE SAME				
Status	Granted				18-Sep-2027
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Harrison Goddard Foote	481/8 FR			
0012EP1	Germany	101			
		EPP			BGL
		EP 07842724.2	EP 2061899	DE 2,061,899	
		23-Mar-2009	27-May-2009	29-Aug-2012	
Title	BIOMARKERS FOR PROSTATE CANCER AND METHODS USING THE SAME				
Status	Granted				18-Sep-2027
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Harrison Goddard Foote	481/8 DE			
0012EP1	Ireland	103			
		EPP			BGL
		EP 07842724.2	EP 2061899	IE 2,061,899	
		23-Mar-2009	27-May-2009	29-Aug-2012	
Title	BIOMARKERS FOR PROSTATE CANCER AND METHODS USING THE SAME				
Status	Granted				18-Sep-2027
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Harrison Goddard Foote	481/8 IE			

### Granted Applications by Division Biomarkers

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Patent Number	Date	Alternatives
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0012EP1	Switzerland		EPP	104				BGL		
			EPP	EP 0784272.2		EP 2061899		CH 2,061,899		
				23-Mar-2009		27-May-2009		29-Aug-2012		
			Biomarkers FOR PROSTATE CANCER AND METHODS USING THE SAME							
			Granted							
			Biomarkers							
			Metabolon, Inc.							
			Attorney Docket							
			13778-48							
			Expiration Date							
			18-Sep-2027							
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0012EP1	United Kingdom		EPP	102				BGL		
			EPP	EP 0784272.2		EP 2061899		G3 2,061,899		
				29-Mar-2009		27-May-2009		29-Aug-2012		
			Biomarkers FOR PROSTATE CANCER AND METHODS USING THE SAME							
			Granted							
			Biomarkers							
			Metabolon, Inc.							
			Attorney Docket							
			13778-48							
			Expiration Date							
			18-Sep-2027							
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0012HK	Hong Kong		POCX	63				BGL		
			HK	09110767.1		HK 1131806		HK 1,131,806		
				17-Nov-2009		05-Feb-2010		14-Dec-2012		
			Biomarkers FOR PROSTATE CANCER AND METHODS USING THE SAME							
			Granted							
			Biomarkers							
			Metabolon, Inc.							
			Attorney Docket							
			13778-63							
			Expiration Date							
			19-Sep-2027							
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0012JP1	Japan		PCT	49				BGL		
			JP	2009-529346		JP 2010-504827		JP 5,297,379		
				18-Mar-2009		24-Sep-2010		21-Jun-2013		
			Biomarkers FOR PROSTATE CANCER AND METHODS USING THE SAME							
			Granted							
			Biomarkers							
			Metabolon, Inc.							
			Attorney Docket							
			13778-69							
			Expiration Date							
			18-Sep-2027							
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								BGL		
								JP 2010-504827		
								JP 5,297,379		
								21-Jun-2013		
			Biomarkers FOR PROSTATE CANCER AND METHODS USING THE SAME							
			Granted							
			Biomarkers							
			Metabolon, Inc.							
			Attorney Docket							
			13778-69							
			Expiration Date							
			18-Sep-2027							
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								BGL		
								JP 2010-504827		
								JP 5,297,379		
								21-Jun-2013		
			Biomarkers FOR PROSTATE CANCER AND METHODS USING THE SAME							
			Granted							
			Biomarkers							
			Metabolon, Inc.							
			Attorney Docket							
			13778-69							
			Expiration Date							
			18-Sep-2027							
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								BGL		
								JP 2010-504827		
								JP 5,297,379		
								21-Jun-2013		
			Biomarkers FOR PROSTATE CANCER AND METHODS USING THE SAME							
			Granted							
			Biomarkers							
			Metabolon, Inc.							
			Attorney Docket							
			13778-69							
			Expiration Date							
			18-Sep-2027							
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**Granted Applications by Division Biomarkers**

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0012US1	United States of America	45		
		PCT		B&L
		12/441,945	US 2010-0292331-A1	US 8,518,650
		12-Feb-2010	18-Nov-2010	27-Aug-2013
Title		Biomarkers for Prostate Cancer and Methods Using the Same		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks-Gilson & Lione		
		4818 UFL		13778-45
Expiration Date				27-Mar-2030
0013PCT	Australia	32		
		PCT		CAS
		2008289172	WO/2009/026152A1	AU 2,008,289,172
		11-Mar-2010	26-Feb-2009	02-May-2013
Title		Metabolomic Profiling of Prostate Cancer		
Status		Granted		
Division		Biomarkers		
Assignee		University of Michigan & Metabolon		
Agent and Reference		Casimir Jones		
				3740
Expiration Date				15-Aug-2028
0013PCT	European Patent Convention	32		
		PCT		CAS
		08827819.7	EP2179292	EP 2,179,292
		18-Feb-2010	26-Apr-2010	28-Nov-2012
Title		Metabolomic Profiling of Prostate Cancer		
Status		Granted		
Division		Biomarkers		
Assignee		University of Michigan & Metabolon		
Agent and Reference		Casimir Jones		
				3740
Expiration Date				15-Aug-2028
0013PCT	European Patent Convention	32EP		
		DNV		CAS
		EP 12194382.3	EP2597464	EP 2,597,464
		27-Nov-2012	29-May-2013	26-Feb-2015
Title		Metabolomic Profiling of Prostate Cancer		
Status		Granted		
Division		Biomarkers		
Assignee		University of Michigan & Metabolon		
Agent and Reference		Casimir Jones		
				3740
Expiration Date				15-Aug-2028

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0013PCT	EPP	EP 08827819.7 18-Feb-2010	EP 2179292 28-Apr-2010	EP 2,179,292 28-Nov-2012
				CAS 15-Aug-2028
				Attorneys
				Attorney Docket
				3740
				Expiration Date
Title				
Status	Granted			
Division	Biomarkers			
Assignee	University of Michigan & Metabolon			
Agent and Reference	Casimir Jones			
0013PCT	PCX	HK 10110005.0 22-Oct-2010	HK 1143418 31-Dec-2010	HK 1,143,418 16-Aug-2013
				CAS 15-Aug-2028
				Attorneys
				Attorney Docket
				3740
				Expiration Date
Title	Granted			
Status	Granted			
Division	Biomarkers			
Assignee	University of Michigan & Metabolon			
Agent and Reference	Casimir Jones			
0013PCT	PCT	JP 5,406,187 14-Feb-2010	JP 5,406,187 02-Dec-2010	JP 5,406,187 09-Nov-2013
				CAS 15-Aug-2028
				Attorneys
				Attorney Docket
				3740
				Expiration Date
Title	Granted			
Status	Granted			
Division	Biomarkers			
Assignee	University of Michigan & Metabolon			
Agent and Reference	Casimir Jones			
0013PCT	EPP	EP 08827819.7 18-Feb-2010	EP 2,179,292 28-Apr-2010	EP 2,179,292 28-Nov-2012
				CAS 15-Aug-2028
				Attorneys
				Attorney Docket
				3740
				Expiration Date
Title	Granted			
Status	Granted			
Division	Biomarkers			
Assignee	University of Michigan & Metabolon			
Agent and Reference	Casimir Jones			

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Patent Number	Date	Attorneys
0014PCT	European Patent Convention	110	DIV	12188223.7	11-Oct-2012	2546849A	16-Jan-2013	EP 2,546,649	25-Feb-2015	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lione									
0014PCT	European Patent Convention	185	DIV	EP 15155591.9	16-Feb-2015	EP 2930512	14-Oct-2015	EP 2930512B	31-Jan-2018	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lione									
0014PCT	European Patent Convention	66	PCT	08845659.5	31-Oct-2008	2227689A	15-Sep-2010	EP 2,227,689	26-Dec-2012	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lione									
0014PCT	France	119	EPP	08845659.5	31-Oct-2008	2227689A	15-Sep-2010	EP 2,227,689	26-Dec-2012	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lione									

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Patent Number	Date	Alternatives
0014PCT	France	181	EDV	EP 12188223.7	11-Oct-2012	EP 2545649A	15-Jan-2013	FR 2,546,649	25-Feb-2015	BGL
Biomarkers for fatty liver disease and methods using the same										
Title	Biomarkers for fatty liver disease and methods using the same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gisson & Lione									
0014PCT	France	265	DIV	EP 15155581.9	18-Feb-2015	EP 2930512	14-Oct-2015	EP 2930512	31-Jan-2018	BGL
Biomarkers for fatty liver disease and methods using the same										
Title	Biomarkers for fatty liver disease and methods using the same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gisson & Lione									
0014PCT	Germany	120	EPP	08845659.5	31-Oct-2008	2227689A	15-Sep-2010	EP 2,227,689	26-Dec-2012	BGL
Biomarkers for fatty liver disease and methods using the same										
Title	Biomarkers for fatty liver disease and methods using the same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gisson & Lione									
0014PCT	Germany	180	EDV	EP 12188223.7	11-Oct-2012	EP 2545649A	16-Jan-2013	DE 2,546,649	25-Feb-2015	BGL
Biomarkers for fatty liver disease and methods using the same										
Title	Biomarkers for fatty liver disease and methods using the same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gisson & Lione									

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Patent Number	Date	Attorneys
0014PCT	Germany	266	Div	EP 15155591.9	18-Feb-2015	EP 2930512	14-Oct-2015	EP 2930512	31-Jan-2018	BGL
Biomarkers for Fatty Liver Disease and Methods Using the Same										
Title	Biomarkers for Fatty Liver Disease and Methods Using the Same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lione									
0014PCT	Hang Kong	208	REP	HK 16104033.3	08-Apr-2016	HK 1216189	21-Oct-2016	HK 1216189	04-Jan-2019	BGL
Biomarkers for Fatty Liver Disease and Methods Using the Same										
Title	Biomarkers for Fatty Liver Disease and Methods Using the Same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	NKLaw, PLLC									
0014PCT	Ireland	122	EPP	GB845659.5	31-Oct-2008	2227689A	15-Sep-2010	EP 2.227.689	26-Dec-2012	BGL
Biomarkers for Fatty Liver Disease and Methods Using the Same										
Title	Biomarkers for Fatty Liver Disease and Methods Using the Same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lione									
0014PCT	Ireland	267	Div	EP 15155591.9	18-Feb-2015	EP 2930512	14-Oct-2015	EP 2930512	31-Jan-2018	BGL
Biomarkers for Fatty Liver Disease and Methods Using the Same										
Title	Biomarkers for Fatty Liver Disease and Methods Using the Same									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilson & Lione									

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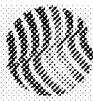
### Granted Applications by Division Biomarkers

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Patent Number	Date	Attorneys
0014PCT	Japan	67	PCT	2010-532284	28-Apr-2010	2014-503547	27-Jan-2014	JP 5,270,684	17-May-2013	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilsen & Lione 481/12 JP									
0014PCT	Spain	123	EPP	08845659.5	31-Oct-2008	2227689A	15-Sep-2010	EP 2,227,689	26-Dec-2012	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilsen & Lione 481/12 ES									
0014PCT	Switzerland	124	EPP	08845659.5	31-Oct-2008	2227689A	15-Sep-2010	EP 2,227,689	26-Dec-2012	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilsen & Lione 481/12 CH									
0014PCT	Switzerland	183	EDV	1218823.7	11-Oct-2012	2546649A	16-Jan-2013	CH 2,546,649	26-Feb-2015	BGL
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME									
Status	Granted									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	Barks Gilsen & Lione 481/12 CH									

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Patent Number	Date
0014PCT	Switzerland	263	Div	EP 15155591.9	18-Feb-2015	EP 2930512	14-Oct-2015	EP 2930512	31-Jan-2018
Biomarkers for fatty liver disease and methods using the same									
Status: Granted									
Division: Biomarkers									
Assignee: Metabolon, Inc.									
Agent and Reference: Barks Gisson & Lione									
0014PCT	United Kingdom	121	EPP	08849659.5	31-Oct-2008	2227689A	15-Sep-2010	EP 2.227.689	26-Dec-2012
Biomarkers for fatty liver disease and methods using the same									
Status: Granted									
Division: Biomarkers									
Assignee: Metabolon, Inc.									
Agent and Reference: Barks Gisson & Lione									
0014PCT	United Kingdom	182	EDV	12188223.7	11-Oct-2012	2546649A	16-Jan-2013	GB 2.546.649	25-Feb-2015
Biomarkers for fatty liver disease and methods using the same									
Status: Granted									
Division: Biomarkers									
Assignee: Metabolon, Inc.									
Agent and Reference: Barks Gisson & Lione									
0014PCT	United Kingdom	264	Div	EP 15155591.9	18-Feb-2015	EP 2930512	14-Oct-2015	EP 2930512	31-Jan-2018
Biomarkers for fatty liver disease and methods using the same									
Status: Granted									
Division: Biomarkers									
Assignee: Metabolon, Inc.									
Agent and Reference: Barks Gisson & Lione									

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Patent Number	Date
0014PCT	United States of America	190	CON	14843355	02-Sep-2015	US-2015-03779-10	31-Dec-2015	US 9,977,034	22-May-2018
Title	BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS USING THE SAME								
Status	Granted								
Division	Biomarkers								
Assignee	Metabolon, Inc.								
Agent and Reference	Barks Gilson & Liane								
0017PCT	United States of America	73	PCT	13/082,843	06-Apr-2011	US2012/0003158A1	05-Jan-2012	US 8,679,457	26-Mar-2014
Title	METASOLUTE BIOMARKERS TO DISTINGUISH CROHN'S DISEASE FROM ULCERATIVE COLITIS AND METHODS USING THE SAME								
Status	Granted								
Division	Biomarkers								
Assignee	Metabolon, Inc.								
Agent and Reference	Barks Gilson & Liane								
0020US1	United States of America	25	ORD	11/840,486	17-Aug-2007	US 2008-0213745A1	04-Sep-2008	US 7,807,138	05-Oct-2010
Title	BIOMARKERS OF METABOLIC RESPONSES TO HEPATIC DRUGS								
Status	Granted								
Division	Biomarkers								
Assignee	Metabolon, Inc.								
Agent and Reference	Barks Gilson & Liane								
0022	European Patent Convention	78	PCT	EP 10739198.0	05-Sep-2011	EP 2393946	14-Dec-2011	EP 2,393,946	04-Dec-2013
Title	DETERMINATION OF THE LIVER TOXICITY OF AN AGENT								
Status	Granted								
Division	Biomarkers								
Assignee	Metabolon, Inc.								
Agent and Reference	Barks Gilson & Liane								

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Various International Offices in Progress

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0022	France	150		
	EPP			BGL
	EP 10739186.0	EP 2393946	EP 2,393,946	
	05-Sep-2011	14-Dec-2011	04-Dec-2013	
Title	DETERMINATION OF THE LIVER TOXICITY OF AN AGENT			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gilsen & Lieme			
0022	Germany	151		
	EPP			BGL
	EP 10739188.0	EP 2393946	EP 2,393,946	
	05-Sep-2011	14-Dec-2011	04-Dec-2013	
Title	DETERMINATION OF THE LIVER TOXICITY OF AN AGENT			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gilsen & Lieme			
0022	Japan	79		
	PCT			BGL
	JP 2011-549293	JP 2012517596	JP 5,567,600	
	05-Aug-2011	02-Aug-2012	27-Jun-2014	
Title	DETERMINATION OF THE LIVER TOXICITY OF AN AGENT			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gilsen & Lieme			
0022	Switzerland	152		
	EPP			BGL
	EP 10739198.0	EP 2393946	EP 2,393,946	
	05-Sep-2011	14-Dec-2011	04-Dec-2013	
Title	DETERMINATION OF THE LIVER TOXICITY OF AN AGENT			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gilsen & Lieme			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0022 United Kingdom	EPP	153		BGL
	EP 10739186.0		EP2393946	EP 2,393,946
	05-Sep-2011		14-Dec-2011	04-Dec-2013
Title	DETERMINATION OF THE LIVER TOXICITY OF AN AGENT			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gleson & Liene			
0022 United States of America	PCT	76		BGL
	13/148,082		US2014-0300571-A1	US 8,658,351
	05-Aug-2011		08-Dec-2011	25-Feb-2014
Title	DETERMINATION OF THE LIVER TOXICITY OF AN AGENT			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gleson & Liene			
0035 Japan	PCT	145		NK
	JP 2014-530734		JP 6,158,186	JP 6,158,186
	13-Mar-2014		05-Jun-2017	16-Jun-2017
Title	BIOMARKERS RELATED TO INSULIN RESISTANCE AND METHODS USING THE SAME			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gleson & Liene			
0035 United States of America	PCT	143		NK
	14/344,655		US2015-0065460	US 10,302,663
	13-Mar-2014		05-Mar-2015	28-May-2019
Title	METHOD OF ASSESSING PANCREATIC BETA-CELL FUNCTION			
Status	Granted			
Division	Biomarkers			
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0040	European Patent Convention	188			BGL
		PCT			
		EP 14746017.4	EP 2,951,313	EP 2,951,313	
		08-Jul-2015	09-Dec-2015	07-Mar-2018	
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF			
Status	Granted				Expiration Date
Division	Biomarkers				16-Jan-2034
Assignee	Metabolon, Inc.				
Agent and Reference	Barks Gison & Lieme	481/19 EP			
0040	France	249			BGL
		EPP			
		EP 14746017.4	EP 2,951,313	FR 2,951,313	
		08-Jul-2015	09-Dec-2015	07-Mar-2018	
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF			
Status	Granted				Expiration Date
Division	Biomarkers				16-Jan-2034
Assignee	Metabolon, Inc.				
Agent and Reference	Barks Gison & Lieme	481/19 FR			
0040	Germany	247			BGL
		EPP			
		EP 14746017.4	EP 2,951,313	DE 2,951,313	
		08-Jul-2015	09-Dec-2015	07-Mar-2018	
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF			
Status	Granted				Expiration Date
Division	Biomarkers				16-Jan-2034
Assignee	Metabolon, Inc.				
Agent and Reference	Barks Gison & Lieme	481/19 DE			
0040	Hong Kong	213			BGL
		REP			
		HK 16105395.2	HK 1217516	HK 1217516	
		11-May-2016	13-Jan-2017	18-Jan-2019	
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF			
Status	Granted				Expiration Date
Division	Biomarkers				16-Jan-2034
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC	481/19 HK			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0040 Japan	PCT	189 JP 2015-556042 30-Jul-2015		BGL JP 6,404,834 21-Sep-2018
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF		
Status	Granted		Expiration Date	16-Jan-2034
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gison & Lione	481/19 JP		
0040 Spain	EPP	248 EP 14746017.4 08-Jul-2015	EP 2,951,313 09-Dec-2015	BGL ES 2,951,313 07-Mar-2018
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF		
Status	Granted		Expiration Date	16-Jan-2034
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gison & Lione	481/19 ES		
0040 Switzerland	EPP	246 EP 14746017.4 08-Jul-2015	EP 2,951,313 09-Dec-2015	BGL CH 2,951,313 07-Mar-2018
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF		
Status	Granted		Expiration Date	16-Jan-2034
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gison & Lione	481/19 CH		
0040 United Kingdom	EPP	250 EP 14746017.4 08-Jul-2015	EP 2,951,313 09-Dec-2015	BGL GB 2,951,313 07-Mar-2018
Title		BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF		
Status	Granted		Expiration Date	16-Jan-2034
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gison & Lione	481/19 GB		

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0040	United States of America	187		
		PCT		BGL
		14/763,962	US2015-0362510	US 9,910,047
		28-Jun-2015	17-Dec-2015	06-Mar-2018
Title		BIOMARKERS RELATED TO INSULIN RESISTANCE PROGRESSION AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gisson & Lione		
		481/19 UTIL		
0041	China (People's Republic)	193		
		PCT		NK, BGL
		CN 201480027332.7	CN 105209909A	CN 105209909
		19-Nov-2015	30-Dec-2015	07-Jun-2019
Title		BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gisson & Lione		
		481/20 CN		
0041	European Patent Convention	194		
		PCT		NK, BGL
		EP 1479707.1	EP 2,997,366	EP 2,997,366
		14-Dec-2015	23-Mar-2016	10-Oct-2018
Title		BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gisson & Lione		
		13778-194		
0041	France	194		
		EPP		NK, BGL
		EP 1479707.1	EP 2,997,366	EP 2,997,366
		14-Dec-2015	23-Mar-2016	10-Oct-2018
Title		BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gisson & Lione		
		13778-194		

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0041 Germany	EPP	194		
		EP 1479707.1	EP 2,997,366	NK, BGL
		14-Dec-2015	23-Mar-2016	EP 2,997,366
				10-Oct-2018
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gison & Lione	13778-194DE		
0041 Hang Kong	RCN	214		
		16108343.3	HK1218331	NK, BGL
		03-Jun-2016	10-Feb-2017	HK1218331
				29-Apr-2020
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC	48120 HK		
0041 Hong Kong	REP	223		
		HK 16110994.7	HK 1222905	NK, BGL
		19-Sep-2016	14-Jul-2017	HK 1222905 B
				25-Oct-2019
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC	481202 HK		
0041 Ireland	EPP	194		
		EP 1479707.1	EP 2,997,366	NK, BGL
		14-Dec-2015	23-Mar-2016	EP 2,997,366
				10-Oct-2018
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gison & Lione	13778-194		



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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0041 Japan	PCT	195		
		JP 2016-514016	JP 6555984	JP 6555984
		13-Nov-2015		04-Oct-2019
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC	481/20 JP		
0041 Mexico	PCT	202		
		MX/2015/015561		NK, BGL
		10-Nov-2015		22-May-2019
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC	481/20 MX		
0041 Spain	EPP	194		
		EP 1479707.1	EP 2,997,366	EP 2,997,366
		14-Dec-2015	23-Mar-2015	10-Oct-2018
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gisson & Limne	13778-194ES		
0041 Switzerland	EPP	194		
		EP 1479707.1	EP 2,997,366	NK, BGL
		14-Dec-2015	23-Mar-2015	10-Oct-2018
Title	Granted	BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME		
Status	Granted			
Division	Biomarkers	Attorney Docket		
Assignee	Metabolon, Inc.			
Agent and Reference	Barks Gisson & Limne			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0041	United Kingdom	194			
		EPP			
		EP 14797070.1	EP 2,997,366	EP 2,997,366	NK, BGL
		14-Dec-2015	23-Mar-2016	10-Oct-2018	
Title		BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		Barks Gilson & Lione			
0041	United States of America	196			
		PCT			
		14/889,930	US2016-0146486	NK, BGL	
		09-Nov-2015	26-Apr-2016	21-Jan-2020	
Title		BIOMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0045	European Patent Convention	135			
		PCT			
		EP 07836880.4	EP 2,057,473	BGL, MOR, MGB	
		08-Aug-2007	13-May-2009	12-Nov-2014	
Title		MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0045	European Patent Convention	136			
		DIV			
		EP12196378.9	EP2607902	BGL, MOR, MGB	
		08-Aug-2007	26-Jan-2013	04-Oct-2017	
Title		MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		Barks Gilson & Lione			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0045	European Patent Convention	206			
		Div			BGL, MOR, MGB
		EP17194611.4	EP 3285072	EP 3285072	EP 3285072
		03-Oct-2017	24-Feb-2018	15-Apr-2020	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			08-Aug-2027
Status	Granted		Expiration Date		
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC	4816/3 EP			
0045	France	169			
		EPP			BGL, MOR, MGB
		EP 20070636880	EP 2057473	FR 2067473	
		09-Aug-2007	10-May-2009	12-Nov-2014	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			08-Aug-2027
Status	Granted		Expiration Date		
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	Carphaeels & Ransford	4816/6 FR			
0045	France	206			
		EDV			BGL, MOR, MGB
		EP17194611.4	EP 3285072	EP 3285072	
		03-Oct-2017	21-Feb-2018	15-Apr-2020	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			08-Aug-2027
Status	Granted		Expiration Date		
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC	4816/3 EP			
0045	France	239			
		Div			BGL, MOR, MGB
		EP12196378.9	EP2607902	EP 2.607.902	
		08-Aug-2007	26-Jan-2013	04-Oct-2017	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			08-Aug-2027
Status	Granted		Expiration Date		
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	Banks Gilson & Lyne	4816/2 FR			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0045 Germany	EPP	170 EP 20070836680 08-Aug-2007	EP 2057473 13-May-2009	BGL, MOR, MGB DE 2057473 12-Nov-2014	
Title	GRANTED	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status	GRANTED	Expiration Date			
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	Carpmaels & Ranstorf	481/6 DE			
0045 Germany	EDV	206 EP171948114 09-Oct-2017	EP 3285072 21-Feb-2018	BGL, MOR, MGB EP 3285072 15-Apr-2020	
Title	GRANTED	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status	GRANTED	Expiration Date			
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC	481/6/3 EP			
0045 Germany	DIV	240 EP12196378.9 08-Aug-2007	EP2607902 26-Jun-2013	BGL, MOR, MGB EP 2.607.902 04-Oct-2017	
Title	GRANTED	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status	GRANTED	Expiration Date			
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	Banks Gilson & Litton	481/6/2 DE			
0045 Hong Kong	REP	137 HK 09110580.6 12-Nov-2009	HK 1131209 15-Jan-2010	BGL, MOR, MGB HK 1131209 27-Nov-2015	
Title	GRANTED	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status	GRANTED	Expiration Date			
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	Banks Gilson & Litton	481/6 HK			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0045	Ireland	206			
		EDV			BGL, MOR, MGB
		EP17194611.4	EP 3285072	EP 3285072	
		03-Oct-2017	21-Feb-2018	15-Apr-2020	
Title		MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
481/6/3 EP					
0045	Ireland	241			
		EDV			BGL, MOR, MGB
		EP12196376.9	EP2607902	EP 2.607.902	
		06-Aug-2007	26-Jun-2013	04-Oct-2017	
Title		MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		Birks Gibson & Lione			
481/6/2 IE					
0045	Spain	171			
		EPP			BGL, MOR, MGB
		EP 20070836880	EP 2057473	ES 2067473	
		06-Aug-2007	13-May-2009	12-Nov-2014	
Title		MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		Campanals & Ransford			
481/6 ES					
0045	Switzerland	172			
		EPP			BGL, MOR, MGB
		EP 20070836880	EP 2057473	CH 2067473	
		08-Aug-2007	13-May-2009	12-Nov-2014	
Title		MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		Campanals & Ransford			
481/6 CH					

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0045 Switzerland	EDV	206 EP17194611.4 03-Oct-2017	EP 3285072 24-Feb-2018	BGL, MOR, MGB EP 3285072 15-Apr-2020	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF	Expiration Date	08-Aug-2027	
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC	4816/3 EP			
0045 Switzerland	EDV	243 EP 12196378.9 08-Aug-2007	EP 2807902 26-Jun-2013	BGL, MOR, MGB EP 2.807.902 04-Oct-2017	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF	Expiration Date	08-Aug-2027	
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	Berlins Ekison & Ligne	4816/2 CH			
0045 United Kingdom	EPP	173 EP 20070836880 08-Aug-2007	EP 2057473 13-May-2009	BGL, MOR, MGB GB 2057473 12-Nov-2014	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF	Expiration Date	08-Aug-2027	
Status	Granted				
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	Camnachs & Ransford	4816 GB			
0045 United Kingdom	EDV	206 EP17194611.4 03-Oct-2017	EP 3285072 24-Feb-2018	BGL, MOR, MGB EP 3285072 15-Apr-2020	
Title	Granted	MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF	Expiration Date	08-Aug-2027	
Status	Granted				
Division	Biomarkers	Attorney Docket			
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC	4816/3 EP			



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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0045	United Kingdom	244			
		EDV			BGL, MOR, MEB
		EP 12196378.9	EP 2807902	EP 2.807.902	
		08-Aug-2007	26-Jun-2013	04-Oct-2017	
Title		MARKERS OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) AND NON-ALCOHOLIC STEATOHEPATITIS (NASH) AND METHODS OF USE THEREOF			08-Aug-2027
Status		Granted			Expiration Date
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		Barks Gison & Liene			
4816/2 GB					
0048	Australia	216			
		PCT			BGL
		AU 2014364539		AU 2014364539	
		27-May-2016		14-Nov-2019	
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			18-Dec-2034
Status		Granted			Expiration Date
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
4812/1 AU					
0043	European Patent Convention	210			
		PCT			BGL
		EP 14870759.9		EP 3.082.833	
		03-Jun-2016		26-Oct-2016	
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			05-Oct-2018
Status		Granted			Expiration Date
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
4812/1 EP					
0046	France	210			
		EPP			BGL
		EP 14870759.9		EP 3.082.833	
		03-Jun-2016		26-Oct-2016	
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			06-Dec-2018
Status		Granted			Expiration Date
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
4812/1 FR					

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Granted Applications by Division Biomarkers

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0048 Germany	EPP	210 EP 14870759.9 03-Jun-2016	EP3082833 26-Oct-2018	BGL EP 3,082,833 05-Dec-2018
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		NKLaw, PLLC		
0048 Ireland	EPP	210 EP 14870759.9 03-Jun-2016	EP3082833 26-Oct-2018	BGL EP 3,082,833 05-Dec-2018
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		NKLaw, PLLC		
0048 Japan	PCT	211 JP 2016-541152 17-Jun-2016		BGL JP 6557235 19-Jul-2019
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		NKLaw, PLLC		
0048 Singapore	PCT	220 SG 11201604702Y 09-Jun-2016		BGL SG 11201604702Y 09-Nov-2018
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME		
Status		Granted		
Division		Biomarkers		
Assignee		Metabolon, Inc.		
Agent and Reference		NKLaw, PLLC		



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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0048	EPP	210	EP 3082833	EP 3,082,833	BGL
	EPP	EP 14870759.9	26-Oct-2016	05-Dec-2018	
		03-Jun-2016			
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0048	EPP	210	EP 3082833	EP 3,082,833	BGL
	EPP	EP 14870759.9	26-Oct-2016	05-Dec-2018	
		03-Jun-2016			
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0048	EPP	210	EP 3082833	EP 3,082,833	BGL
	EPP	EP 14870759.9	26-Oct-2016	05-Dec-2018	
		03-Jun-2016			
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			
Status		Granted			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			



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Without Infringing Claims to 3887

Granted Applications by Division Metabolomics

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0001US2	CON	11728825 27-Mar-2007	US-2007-0172820-A1 26-Jul-2007	US 7,910,301 22-Mar-2014
	US2			MCE
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted		Expiration Date	12-Oct-2021
Division	Metabolomics	Attorney Docket	117729-00112	
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English			
0001US3	CON	11304107 12-Dec-2005	US-2006-0134676-A1 22-Jun-2006	US 7,682,783 23-Mar-2010
	PAT7			MCE
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted		Expiration Date	13-Apr-2021
Division	Metabolomics	Attorney Docket	117729-00107	
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English			
0001US6	CON	11357732 17-Feb-2006	US-2007-0026369-A1 04-Feb-2007	US 7,636,556 22-Dec-2009
	PAT6			MCE
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted		Expiration Date	12-Oct-2021
Division	Metabolomics	Attorney Docket	117729-00110	
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English			

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Various Inventing Offices to 3887

Granted Applications by Division Metabolomics

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0001US8	CON	US8		
United States of America				
	CON	12/463,690	US 2009-028052/41	MCE US 7,947,453
		11-May-2009	12-Nov-2009	24-May-2011
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted			
Division	Metabolomics			
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English	Attorney Docket	117729-00116	Expiration Date 13-Apr-2021
0001USPAT1	United States of America	PAT1	CON	MCE
			10/757,616	US 7,005,255
			13-Jan-2004	28-Feb-2006
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted			
Division	Metabolomics			
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English	Attorney Docket	117729-00106	Expiration Date 13-Apr-2021
0001USPAT2	United States of America	PAT2	CON	MCE
			10/695,265	US 7,329,489
			27-Oct-2003	12-Feb-2008
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted			
Division	Metabolomics			
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English	Attorney Docket	117729-00105	Expiration Date 13-Apr-2021
0001USPAT3	United States of America	PAT3	CON	MCE
			11/405,033	US 7,560,258
			14-Apr-2006	23-Jan-2009
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted			
Division	Metabolomics			
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English	Attorney Docket	117729-00111	Expiration Date 13-Apr-2021

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### Granted Applications by Division Metabolomics

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0001USPAT4	CON	11728827 27-Mar-2007	US-2007-0172885 A1 26-Jul-2007	US 7,550,260 23-Jun-2009
	PAT4			MCE 13-Apr-2021
	CON	117290114 Attorney Docket		Expiration Date 13-Apr-2021
0001USPAT5	PAT5	11728540 27-Mar-2007	US-2007-0178599-A1 02-Aug-2007	MCE US 7,553,616 30-Jun-2009
	CON	1172900113 Attorney Docket		Expiration Date 13-Apr-2021
Title	Granted	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING METABOLOMICS		
Status	Granted			
Division	Metabolomics			
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English			



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### Granted Applications by Division Targeted Assays

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0049	European Patent Convention	4035		
	PCT			MCE
	EP 16715645.4	09-Aug-2017	EP 3254105	EP 3254105
			13-Dec-2017	07-Aug-2019
Title	Granted	DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)	Expiration Date	04-Feb-2036
Status	Targeted Assays			
Division	Metabolon, Inc.	Attorney Docket		
Assignee	McCarter & English	117729-04035		
Agent and Reference				
0049	France	4035		
	EPP			MCE
	16715645.4	09-Aug-2017	EP3254105	3254105
			13-Dec-2017	07-Aug-2019
Title	Granted	DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)	Expiration Date	04-Feb-2036
Status	Targeted Assays			
Division	Metabolon, Inc.	Attorney Docket		
Assignee	McCarter & English			
Agent and Reference				
0049	Germany	4035		
	EPP			MCE
	16715645.4	09-Aug-2017	EP3254105	3254105
			13-Dec-2017	07-Aug-2019
Title	Granted	DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)	Expiration Date	04-Feb-2036
Status	Targeted Assays			
Division	Metabolon, Inc.	Attorney Docket		
Assignee	McCarter & English			
Agent and Reference				
0049	Ireland	4035		
	EPP			MCE
	16715645.4	09-Aug-2017	EP3254105	3254105
			13-Dec-2017	07-Aug-2019
Title	Granted	DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X-12063)	Expiration Date	04-Feb-2036
Status	Targeted Assays			
Division	Metabolon, Inc.	Attorney Docket		
Assignee	McCarter & English			
Agent and Reference				

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### Granted Applications by Division Targeted Assays

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0049	Japan	4043		
		PCT		MCE
		JP 2017-541232	JP 2018-507404	JP 6639512
		04-Aug-2017	15-Mar-2018	07-Jan-2020
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)		
Status		Granted		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		McCarter & English		
0049	Switzerland	4035		
		EPP		MCE
		16719645.4	EP3254105	3254105
		09-Aug-2017	13-Dec-2017	07-Aug-2019
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)		
Status		Granted		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		McCarter & English		
0049	United Kingdom	4035		
		EPP		MCE
		16719645.4	EP3254105	3254105
		09-Aug-2017	13-Dec-2017	07-Aug-2019
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)		
Status		Granted		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		McCarter & English		
0049	United States of America	4003		
		PCT		MCE
		15/648,854	US 2018-0031541-A1	US 10,502,729
		04-Aug-2017	04-Feb-2018	10-Dec-2019
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X-12063)		
Status		Granted		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		McCarter & English		

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Matter Number, Country, Sub Case

Case Type

Publication Number, Date

Patent Number, Date

0002	Canada	CA1	PCT	2,618,123	07-Aug-2006	2618123	15-Feb-2007	CA 2,618,123	02-Apr-2013
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Title	Granted	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT USING A DATABASE IN A COMPUTING SYSTEM TO COMPARE AND COMPARE METABOLOMIC DATA OBTAINED FROM A PLURA							
Status	Granted								
Division	Technology								
Assignee	Metabolon, Inc.	Attorney Docket 338841							
Agent and Reference	Woroble Carlye Sandridge & Rice	63772.0009.6							

0002	Japan	JP1	PCT	2008-526121	07-Aug-2006	2009-505231	05-Feb-2009	JP 4,950,993	16-Mar-2012
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Expiration Date 07-Aug-2026

Title	Granted	SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT USING A DATABASE IN A COMPUTING SYSTEM TO COMPARE AND COMPARE METABOLOMIC DATA OBTAINED FROM A PLURA							
Status	Granted								
Division	Technology								
Assignee	Metabolon, Inc.	Attorney Docket 338841							
Agent and Reference	Woroble Carlye Sandridge & Rice	63772.0007.0							

0002	United States of America	PAT1	PCT	11462,838	07-Aug-2006	US 2007-0032969	06-Feb-2007	US 7,433,787	07-Oct-2008
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Expiration Date 07-Aug-2026

Title	Granted	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT USING A DATABASE IN A COMPUTING SYSTEM TO COMPARE AND COMPARE METABOLOMIC DATA OBTAINED FROM A PLURA							
Status	Granted								
Division	Technology								
Assignee	Metabolon, Inc.	Attorney Docket 338841							
Agent and Reference	Woroble Carlye Sandridge & Rice	94000.0063.5							

0003	Canada	CA1	PCT	2,646,890	26-Mar-2007	2646890	27-Sep-2007	CA 2,646,890	31-Jul-2012
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Expiration Date 20-Mar-2027

Title	Granted	A SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE							
Status	Granted								
Division	Technology								
Assignee	Metabolon, Inc.	Attorney Docket 362153							
Agent and Reference	Ridout & Mayhew	63772.0010.0							

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Granted Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0003	European Patent Convention	8 8			
		PCT			
		07758894.5	EP 1997049		EP 1 997 049
		20-Mar-2007	03-Dec-2006		13-Mar-2019
Title		A SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE			
Status	Granted		Expiration Date		20-Mar-2027
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	362153		
Agent and Reference	Worble Carlye Sandridge & Rice	63772.0008.8			
0003	France	8 8			
		EPP			
		07758894.5	1997049		1997049
		20-Mar-2007	03-Dec-2008		13-Mar-2019
Title		A SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE			
Status	Granted		Expiration Date		20-Mar-2027
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	362153		
Agent and Reference	Worble Carlye Sandridge & Rice				
0003	Germany	8 8			
		EPP			
		07758894.5	1997049		1997049
		20-Mar-2007	03-Dec-2008		13-Mar-2019
Title		A SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE			
Status	Granted		Expiration Date		20-Mar-2027
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	362153		
Agent and Reference	Worble Carlye Sandridge & Rice				
0003	Japan	6 1			
		PCT			
		2009-501695	JP2009530648		JP 5,486,650
		20-Mar-2007	27-Aug-2009		14-Mar-2014
Title		A SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE			
Status	Granted		Expiration Date		20-Mar-2027
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	362153		
Agent and Reference	Okuyama & Co.	63772.0006.1			

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### Granted Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0003 Switzerland	EPP	07788894.5 20-Mar-2007	1997049 03-Dec-2006	1997049 13-Mar-2019
Title	Granted	A SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket	362153	20-Mar-2027
Assignee	Metabolon, Inc.			
Agent and Reference	Woroble Carlye Sandridge & Rice			
0003 United Kingdom	EPP	07758894.5 20-Mar-2007	1997049 03-Dec-2006	1997049 13-Mar-2019
Title	Granted	A SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket	362153	20-Mar-2027
Assignee	Metabolon, Inc.			
Agent and Reference	Woroble Carlye Sandridge & Rice			
0003 United States of America	PAT	PCT 11688,526 20-Mar-2007	2007-0288174 13-Dec-2007	WCS US 7,561,975 14-Jul-2009
Title	Granted	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR ANALYZING SPECTROMETRY DATA TO IDENTIFY AND QUANTIFY INDIVIDUAL COMPONENTS IN A SAMPLE		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket	362153	12-Nov-2027
Assignee	Metabolon, Inc.			
Agent and Reference	Woroble Carlye Sandridge & Rice			
0004US1 United States of America	PCT	11901,523 17-Sep-2007	US-2008-0161226-A1 03-Jul-2008	MCE US 8,849,577 30-Sep-2014
Title	Granted	METHODS OF IDENTIFYING BIOCHEMICAL PATHWAYS		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket	117729-03802	06-Apr-2030
Assignee	Metabolon, Inc.			
Agent and Reference	McCarter & English			

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Matter Number, Country, Sub Case

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys Patent Number, Date
0006CIP United States of America	US1	CIP 12245 862 06-Oct-2006	2009-0093974 09-Apr-2009	WCS US 7,949,475 24-May-2011
Title	Granted		Expiration Date	26-Jun-2027
SYSTEM AND METHOD FOR ANALYZING METABOLOMIC DATA				
Status	Granted			
Division	Technology			
Assignee	Metabolon, Inc.			
Agent and Reference	Worthington Carlyle Sandridge & Rice	63772.0002.9		
0006CIP United States of America	US2	DIV 13/084 999 12-Apr-2011	US/2014/0307180-A1 15-Dec-2011	WCS US 8,175,616 08-May-2012
Title	Granted		Expiration Date	07-Aug-2026
SYSTEM AND METHOD FOR ANALYZING METABOLOMIC DATA				
Status	Granted			
Division	Technology			
Assignee	Metabolon, Inc.			
Agent and Reference	Worthington Carlyle Sandridge & Rice	63772.0013.4		
0009PAT United States of America	29	ORD 10/300 360 26-Nov-2002	2004-0019435A1 29-Jan-2004	EGL US 6,873,914 29-Mar-2005
Title	Granted		Expiration Date	07-Dec-2022
METHODS AND SYSTEMS FOR ANALYZING COMPLEX BIOLOGICAL SYSTEMS				
Status	Granted			
Division	Technology			
Assignee	Metabolon, Inc.			
Agent and Reference	Banks Gilson & Linn	483/3 UTIL		
0023US1 United States of America	US1	ORD 11/016 612 17-Dec-2004	US 2005-0143931 A1 30-Jan-2005	JWT US 6,428,881 23-Apr-2013
Title	Granted		Expiration Date	19-Oct-2029
NON-TARGETED PROCESSING OF HYPERENATED CHROMATOGRAPHIC DATA				
Status	Granted			
Division	Technology			
Assignee	Metabolon, Inc.			
Agent and Reference	Jenkins Wilson Taylor & Hunt	1688-2		

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0024US1	UPUB	ORD 11/13/2005 20-May-2005			JWT US 8,131,473 06-Mar-2012
Title					
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	1688/3		
Agent and Reference	Jenkins Wilson Taylor & Hunt				
0025US1	US1	ORD 11/19/2004 29-Jul-2005	US 2006-0931210 A1 09-Feb-2008	US 8,598,942 26-Nov-2013	JWT
Title	Granted				
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	1688/4		
Agent and Reference	Jenkins Wilson Taylor & Hunt				
0026PCT	Canada	PCT CA 2,712,455 15-Jan-2009	CA 2,712,455 23-Jul-2009	CA 2,712,455 29-Jan-2019	JWT
Title	Granted				
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	1688/7 PCT		
Agent and Reference	Jenkins Wilson Taylor & Hunt				
0026PCT	China (People's Republic)	PCT CN 200980109140 X 01-Aug-2010	CN101671016A 09-Feb-2011	ZL200980109140 X 26-Jan-2014	JWT
Title	Granted				
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.	Attorney Docket	1688/7 PCT		
Agent and Reference	Jenkins Wilson Taylor & Hunt				

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date	Attorneys
0026PCT	Japan	26JP			
		PCT			JWT
		JP 2010-543261	JP 2011510300	JP 5,512,548	
		15-Jul-2010	08-Mar-2012	04-Apr-2014	
Title		SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIUM FOR DETERMINING COMPOSITION OF CHEMICAL CONSTITUENTS IN A COMPLEX MIXTURE			
Status		Granted			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		Jenkins Wilson Taylor & Hunt			
1688/7 PCT/JP		Attorney Docket			
		1688/7 PCT			
0026US1	United States of America	US1			
		PCT			JWT
		12/327,758	US 2009-0179147 A1	US 7,884,318	
		03-Dec-2008	16-Jul-2009	08-Feb-2011	
Title		SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIUM FOR DETERMINING COMPOSITION OF CHEMICAL CONSTITUENTS IN A COMPLEX MIXTURE			
Status		Granted			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		Jenkins Wilson Taylor & Hunt			
1688/7/3		Attorney Docket			
		1688/7/3			
0027	European Patent Convention	16.9			
		PCT			WCS
		EP 10774032.6	EP 2,486,504	EP 2,486,504	
		30-Apr-2012	15-Aug-2012	13-May-2020	
Title		APPARATUS AND ASSOCIATED METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS IN A COMPLEX MIXTURE			
Status		Granted			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		Worble Carlyle Sandridge & Rice			
63772.0012.6		Attorney Docket			
		63772.0012.6			
0027	Germany	16.9			
		EPP			WCS
		EP 10774032.6	EP 2,486,504	EP 2,486,504	
		30-Apr-2012	15-Aug-2012	13-May-2020	
Title		APPARATUS AND ASSOCIATED METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS IN A COMPLEX MIXTURE			
Status		Granted			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		Worble Carlyle Sandridge & Rice			
63772.0012.6		Attorney Docket			
		63772.0012.6			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0027 Ireland	EPP	EP 10774032.6 30-Apr-2012	EP 2,486,504 15-Aug-2012	WCS	EP 2,486,504 13-May-2020
Title	Granted	APPARATUS AND ASSOCIATED METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS IN A COMPLEX MIXTURE			
Status	Granted	Expiration Date			
Division	Technology	Attorney Docket			
Assignee	Metabolon, Inc.	NA			
Agent and Reference	Woroble Carlye Sandridge & Rice	63772.0012.6			
0027 Japan	PCT	JP 2012-532349 28-Mar-2012	JP 2013508843 28-Feb-2013	WCS	JP 5,886,287 08-Jan-2016
Title	Granted	APPARATUS AND ASSOCIATED METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS IN A COMPLEX MIXTURE			
Status	Granted	Expiration Date			
Division	Technology	Attorney Docket			
Assignee	Metabolon, Inc.	NA			
Agent and Reference	Woroble Carlye Sandridge & Rice	63772.0014.2			
0027 Switzerland	EPP	EP 10774032.6 30-Apr-2012	EP 2,486,504 15-Aug-2012	WCS	EP 2,486,504 13-May-2020
Title	Granted	APPARATUS AND ASSOCIATED METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS IN A COMPLEX MIXTURE			
Status	Granted	Expiration Date			
Division	Technology	Attorney Docket			
Assignee	Metabolon, Inc.	NA			
Agent and Reference	Woroble Carlye Sandridge & Rice	63772.0012.6			
0027 United Kingdom	EPP	EP 10774032.6 30-Apr-2012	EP 2,486,504 15-Aug-2012	WCS	EP 2,486,504 13-May-2020
Title	Granted	APPARATUS AND ASSOCIATED METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS IN A COMPLEX MIXTURE			
Status	Granted	Expiration Date			
Division	Technology	Attorney Docket			
Assignee	Metabolon, Inc.	NA			
Agent and Reference	Woroble Carlye Sandridge & Rice	63772.0012.6			

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Granted Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0027	United States of America	177			
		PCT			
		13431125	US2012/0239306		US 9,189,595
		27-Mar-2012	20-Sep-2012		17-Nov-2015
Title					
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.			NA	
Agent and Reference	Worthington Carlye Sandridge & Rice	63772.0012.6			27-Sep-2032
0030	United States of America	111			
		PCT			
		13/698,116	US 2013/0145649A1		US 8,980,548
		15-Nov-2012	09-May-2013		17-Mar-2015
Title	Granted				
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.				
Agent and Reference	Birks Gilson & Lione	483/16 U.T.I.L.			31-Jul-2031
0034	European Patent Convention	139			
		PCT			
		EP 12807813.6	EP 2,726,636		EP 2,726,636
		31-Jan-2014	07-May-2014		03-Jan-2018
Title	Granted				
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.				
Agent and Reference	Birks Gilson & Lione	483/17 EP			21-Jan-2032
0034	France	257			
		EPP			
		EP 12807813.6	EP 2,726,636		EP 2,726,636
		31-Jan-2014	07-May-2014		03-Jan-2018
Title	IDENTITY ELUCIDATION OF UNKNOWN METABOLITES				
Status	Granted				
Division	Technology				
Assignee	Metabolon, Inc.				
Agent and Reference	Birks Gilson & Lione	483/17 FR			21-Jan-2033

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REEL: 007006 FRAME: 0473



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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0034	Germany	259		
		EPP		BGL
		EP 12807613.6	EP 2.726.636	EP2.726.636
		31-Jan-2014	07-May-2014	03-Jan-2018
Title		IDENTITY ELUCIDATION OF UNKNOWN METABOLITES		
Status		Granted		
Division		Technology		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gilsen & Lieme		
0034	Switzerland	266		
		EPP		BGL
		EP 12807613.6	EP 2.726.636	EP2.726.636
		31-Jan-2014	07-May-2014	03-Jan-2018
Title		IDENTITY ELUCIDATION OF UNKNOWN METABOLITES		
Status		Granted		
Division		Technology		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gilsen & Lieme		
0034	United Kingdom	266		
		EPP		BGL
		EP 12807613.6	EP 2.726.636	EP2.726.636
		31-Jan-2014	07-May-2014	03-Jan-2018
Title		IDENTITY ELUCIDATION OF UNKNOWN METABOLITES		
Status		Granted		
Division		Technology		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gilsen & Lieme		
0034	United States of America	140		
		PCT		BGL
		14/126,107	US2014-0212872	US 9,109,252
		26-Dec-2013	31-Jul-2014	18-Aug-2015
Title		IDENTITY ELUCIDATION OF UNKNOWN METABOLITES		
Status		Granted		
Division		Technology		
Assignee		Metabolon, Inc.		
Agent and Reference		Barks Gilsen & Lieme		

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# Granted Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Patent Number, Date
0039 United States of America	25.8	Cip 14,856,184 16-Sep-2015	US20180019335 21-Jan-2016	WCS US 10,573,406 25-Feb-2020
Title	Granted	METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR ASSOCIATING VISUAL INDICIA WITH A METABOLOMIC ANALYSIS		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket		
Assignee	Metabolon, Inc.	63772.0918.3		
Agent and Reference	Woroble Carlye Sandridge & Rice	Expiration Date		
0050 United States of America	5004	PCT 15/288,917 07-Oct-2016	US 2017-0089872 30-Mar-2017	MCE US 10,287,777 23-Apr-2019
Title	Granted	SMALL MOLECULE BIOCHEMICAL PROFILING OF INDIVIDUAL SUBJECTS FOR DISEASE DIAGNOSIS AND HEALTH ASSESSMENT		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket		
Assignee	Metabolon, Inc.	5001		
Agent and Reference	McCarter & English	117729-05004		
0051 Japan	26.2	PCT JP 2016-569423 24-Nov-2016	US 2017/0117122 27-Apr-2017	WCS JP 6,538,083 14-Jun-2019
Title	Granted	METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS OF A COMPLEX MIXTURE IN A MULTI-SAMPLE PROCESS, AND ASSOCIATED APPARATUS AND COMPUTER PROGRAM PRC		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket		
Assignee	Metabolon, Inc.	0628.2		
Agent and Reference	Woroble Carlye Sandridge & Rice	Expiration Date		
0051 United States of America	27.4	PCT 15/316,147 30-Nov-2016	US 2017/0117122 27-Apr-2017	WCS US 9,892,895 13-Feb-2018
Title	Granted	METHOD FOR ANALYZING SMALL MOLECULE COMPONENTS OF A COMPLEX MIXTURE IN A MULTI-SAMPLE PROCESS, AND ASSOCIATED APPARATUS AND COMPUTER PROGRAM PRC		
Status	Granted	Expiration Date		
Division	Technology	Attorney Docket		
Assignee	Metabolon, Inc.	0627.4		
Agent and Reference	Woroble Carlye Sandridge & Rice	Expiration Date		

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### Granted Applications by Division Technology

Matter Number, Country, Sub Case

Case Type

Application Number, Date

Publication Number, Date

Attorneys  
Patent Number, Date

Matter Number	Country	Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys Patent Number, Date
0052	Australia		PCT	AU 2015296304 30-Jan-2017	AU 2015296304 02-Feb-2017	N/A 12-Dec-2019
						30-Jul-2035
						481/2AU

TITLE: METHODS AND COMPOSITIONS FOR ANALYSIS OF STRUCTURALLY DIVERSE COMPLEX LIPIDS

STATUS: Granted

DIVISION: Technology

ASSIGNEE: Metabolon, Inc.

AGENT AND REFERENCE: NKLAW, PLLC

EXPIRATION DATE

30-Jul-2035

481/2AU

# Selection Criteria

Wednesday, June 17, 2020

Record Count: 130

Sort:

Include:

Case Status:

Filing Date:

Division:

Agent:

Area:

Inventor:

Assignee:

Attorney:

Country:

Case Type:

Status Codes:

by Division Item Master Number:

Selection Criteria

Granted

Granted

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Division:

Inventors:

Attorney:

Assignee:

Agent:



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Pending/Published Applications by Division Biomarkers

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Matter Number	Country	Sub Case	Case Type	Application Number	Date	Publication Number	Date	Attorneys	Patent Number	Date
0005PCT	Brazil	60	PCT	PI0815095-8	17-Jul-2008		09-May-2017	BGL		
Title	BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME									
Status	Published									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	NKLaw, PLLC									
Attorney Docket	13778-4									
Expiration Date										
0005PCT	Mexico	221	DIV	MX/a/2016/009020	08-Jul-2016			BGL		
Title	BIOMARKERS FOR PRE-DIABETES, CARDIOVASCULAR DISEASES, AND OTHER METABOLIC SYNDROME RELATED DISORDERS AND METHODS USING THE SAME									
Status	Pending									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	NKLaw, PLLC									
Attorney Docket	13778-4									
Expiration Date										
0016PCT	Brazil	85	PCT	BR PI1013387-09	20-Sep-2011	BR PI1013387-9	16-Apr-2019	BGL		
Title	BIOMARKERS FOR INSULIN RESISTANCE-RELATED DISORDERS AND METHODS USING THE SAME (MFOCUS IR)									
Status	Published									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	NKLaw, PLLC									
Attorney Docket	13778-62									
Expiration Date										
0040	European Patent Convention	245	DIV	EP17209399-9	21-Dec-2017	EP 3321686	16-May-2018	BGL		
Title	BIOMARKERS OF INSULIN RESISTANCE PROGRESSION AND USES THEREOF									
Status	Published									
Division	Biomarkers									
Assignee	Metabolon, Inc.									
Agent and Reference	NKLaw, PLLC									
Attorney Docket	48119/2 EP									
Expiration Date										

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Pending/Published Applications by Division Biomarkers

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0041	Australia	199			
		PCT			
		AU 2014285689			
		07-Dec-2015			
Title					
Status	Allowed				
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC				
0041	Brazil	200			
		PCT			
		BR112015028253-9			
		10-Nov-2015			
			BR112015028253-9		
			25-Jul-2017		
Title					
Status	Published				
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC				
0041	Canada	201			
		PCT			
		CA 2,911,204			
		02-Nov-2015			
			CA 2,911,204		
			20-Nov-2014		
Title					
Status	Published				
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	NKLaw, PLLC				
0041	China (People's Republic)	20-2CN			
		DIV			
		CN 201610484069.9			
		05-Jun-2019			
			CN 110196335 A		
			03-Sep-2019		
Title					
Status	Published				
Division	Biomarkers				
Assignee	Metabolon, Inc.				
Agent and Reference	Banks Gilson & Lohne				

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Pending/Published Applications by Division Biomarkers

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Matter Number, Country, Sub Case

Case Type

Attorneys

0041 European Patent Convention

20-3EP

20-3EP

Application Number, Date  
DIV  
EP 19176215.2  
23-May-2019

Publication Number, Date  
EP 3646946  
02-Oct-2019

Patent Number, Date  
NK, BGL

Title BENCHMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME  
Status Published  
Division Biomarkers  
Assignee Metabolon, Inc.  
Agent and Reference NKLaw, PLLC

Attorney Docket  
481/20/3 EP

Expiration Date

0041 Mexico

20MX

DIV  
MX/2019/005748  
16-May-2019

NK, BGL

Title BENCHMARKERS RELATED TO KIDNEY FUNCTION AND METHODS USING THE SAME  
Status Pending  
Division Biomarkers  
Assignee Metabolon, Inc.  
Agent and Reference NKLaw, PLLC

Attorney Docket  
481/20/2 MX

Expiration Date

0041 United States of America  
20-2UTIL  
20-2UTIL  
CN  
16/700,098  
02-Dec-2019

Attorney Docket  
481/20-2 UTIL

Expiration Date

NK, BGL

0045 United States of America  
6-2UTIL  
6-2UTIL  
DIV  
16/632,601  
06-Aug-2019

Attorney Docket  
481/6/2 UTIL

Expiration Date

BGL, MCR, MCB

Title A METHOD OF ASSESSING LIVER TRIGLYCERIDE LEVELS USING A BODY FLUID SAMPLE  
Status Published  
Division Biomarkers  
Assignee Metabolon, Inc.  
Agent and Reference NKLaw, PLLC

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REEL: 007006 FRAME: 0480





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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0048	Canada	217			
		PCT			BGL
		CA 2,933,571	CA 2933571		
		10-Jun-2016	25-Jun-2015		
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			
Status		Published			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
481/21 CA			13778-141		Expiration Date
0048	Hang Kong	218			
		REP			BGL
		HK 16113151.0	HK 1224920		
		16-Nov-2016	04-Sep-2017		
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			
Status		Allowed			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
481/21 HK			13778-141		Expiration Date
0043	Mexico	219			
		PCT			BGL
		MX/a/2016/006045			
		17-Jun-2016			
Title		BIOMARKERS OF DE NOVO LIPOGENESIS AND METHODS USING THE SAME			
Status		Allowed			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
481/21 MX			13778-141		Expiration Date
0057	European Patent Convention	232			
		PCT			BGL
		15860608.7	EP 3,221,483		
		16-May-2017	27-Sep-2017		
Title		BIOMARKERS FOR FATTY LIVER DISEASE AND METHODS OF USING THE SAME			
Status		Published			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
481/11 EP			13778-141		Expiration Date



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Pending/Published Applications by Division Biomarkers

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0059	Canada	222			
		PCT			
		CA 3,003,742	CA 3003742		
		30-Apr-2018	11-May-2017		
Title		AUTOMATED SAMPLE QUALITY ASSESSMENT			
Status		Published			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0059	China (People's Republic)	222			
		PCT			
		2016900737316	108369612		
		15-Jun-2018	03-Aug-2018		
Title		AUTOMATED SAMPLE QUALITY ASSESSMENT			
Status		Published			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0059	European Patent Convention	222			
		PCT			
		EP 168626319	EP 3371730		
		04-Jun-2018	12-Sep-2018		
Title		AUTOMATED SAMPLE QUALITY ASSESSMENT			
Status		Published			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0059	Hong Kong	222			
		REP			
		HK 1912026A.7	HK 1260303		
		01-Mar-2019	13-Dec-2019		
Title		AUTOMATED SAMPLE QUALITY ASSESSMENT			
Status		Published			
Division		Biomarkers			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			

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REEL: 007006 FRAME: 0482



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Pending/Published Applications by Division Biomarkers

Matter Number, Country, Sub Case

Case Type

Attorneys

Application Number, Date

Publication Number, Date

Patent Number, Date

0059 Japan ZZZ

PCT  
JP 2018-543033  
02-May-2018

N/A

Title AUTOMATED SAMPLE QUALITY ASSESSMENT

Status Pending

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference NKLaw, PLLC

Attorney Docket  
48123 JP

Expiration Date

0059 United States of America ZZZ

Title AUTOMATED SAMPLE QUALITY ASSESSMENT

Status Published

Division Biomarkers

Assignee Metabolon, Inc.

Agent and Reference NKLaw, PLLC

PCT  
15/772 834  
02-May-2018

US 20180321267 A1  
08-Nov-2018

N/A

Attorney Docket  
48123 US

Expiration Date



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Pending/Published Applications by Division Targeted Assays

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0049	Canada	4026			
		PCT			
		CA2 975,952	CA 2976052		
		04-Aug-2017	11-Aug-2016		
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-04026					
0049	China (People's Republic)	4026			
		PCT			
		CN 2016880202759	CN 107407671		
		29-Sep-2017	26-Nov-2017		
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-04028					
0049	European Patent Convention	4079			
		OHV			
		EP191908018	EP 3584574		
		05-Aug-2019	25-Dec-2019		
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-04079					
0049	Hong Kong	4036			
		REP			
		HK 18107548.2	HK 1248309A		
		11-Jun-2018	12-Oct-2018		
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X12063)			
Status		Allowed			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-04036					



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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys
0049	United States of America	4004		Patent Number, Date
		CON		MCE
		18/604,198	US 2020/0110069	
		14-Oct-2019	09-Apr-2020	
Title		DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (X-12063)		
Status		Published		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		McCarter & English		
4004		Attorney Docket		
4004		Expiration Date		
0061	Canada	237		
		PCT		
		CA 3,026,049	CA 3026049	
		28-Nov-2018	07-Dec-2017	
Title		MASS SPECTROMETRY METHOD FOR DETECTION AND QUANTITATION OF METABOLITES (R/R/GT)		
Status		Published		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		NKLaw, PLLC		
483/26 CA		Attorney Docket		
0081	China (People's Republic)	237		
		PCT		
		CN 201780647345.4	CN 109564207	
		30-Jan-2019	02-Apr-2019	
Title		MASS SPECTROMETRY METHOD FOR DETECTION AND QUANTITATION OF METABOLITES (R/R/GT)		
Status		Published		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		NKLaw, PLLC		
483/26 CN		Attorney Docket		
0061	European Patent Convention	237		
		PCT		
		EP 17807278.1	EP 3465202	
		21-Dec-2018	10-Apr-2019	
Title		MASS SPECTROMETRY METHOD FOR DETECTION AND QUANTITATION OF METABOLITES (R/R/GT)		
Status		Published		
Division		Targeted Assays		
Assignee		Metabolon, Inc.		
Agent and Reference		NKLaw, PLLC		
483/26 EP		Attorney Docket		
		Expiration Date		
		NK, BGL		



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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0061	Mexico	237			
		PCT			
		MX/a/2018/014867			
		30-Nov-2018			
Title		MASS SPECTROMETRY METHOD FOR DETECTION AND QUANTIFICATION OF METABOLITES (R/R/GT)			
Status		Pending			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0061	United States of America	237			
		PCT			
		16/305,078			
		28-Nov-2018			
Title		MASS SPECTROMETRY METHOD FOR DETECTION AND QUANTIFICATION OF METABOLITES (R/R/GT)			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0082	Australia	5124			
		PCT			
		AU2017301949			
		15-Jan-2019			
Title		COMPOUNDS, REAGENTS, AND USES THEREOF (TMAP)			
Status		Pending			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
0082	Canada	5126			
		PCT			
		CA 3032716			
		25-Jan-2019			
Title		COMPOUNDS, REAGENTS, AND USES THEREOF (TMAP)			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0062		China (People's Republic) PCT CN201780048847.5 28-Jan-2019	CN 109563127 02-Apr-2019		MCE
Title	COMPOUNDS, REAGENTS, AND USES THEREOF (TMAP)				
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	McCarter & English	5128			
0062		European Patent Convention PCT EP 17751177.1 20-Feb-2019	EP 3491004 05-Jun-2019		MCE
Title	DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (TMAP)				
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	McCarter & English	5135			
0082		Japan PCT JP 2019-503956 28-Jan-2019	JP 2019-531261 31-Oct-2019		MCE
Title	COMPOUNDS, REAGENTS, AND USES THEREOF (TMAP)				
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	McCarter & English	5143			
0092		United States of America PCT US 2019-0152907 28-Jan-2019	US 2019-0152907 23-May-2019		MCE
Title	DIAGNOSTIC METHODS, THERAPEUTIC AGENTS AND USES THEREOF (TMAP)				
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	McCarter & English	5102			

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Pending/Published Applications by Division Targeted Assays

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0065	Australia	31AU			
		PCT			BGL
		AU 2017382744			
		24-May-2019			
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF KIDNEY FUNCTION METABOLITES			
Status		Pending			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0065	Canada	31CA			
		PCT			BGL
		CA 3 045 022			
		24-May-2019			
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF KIDNEY FUNCTION METABOLITES			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0085	China (People's Republic)	31CN			
		PCT			BGL
		CN 201780678615.8			
		19-Jun-2019			
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF KIDNEY FUNCTION METABOLITES			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0095	European Patent Convention	31EP			
		PCT			BGL
		EP 17885159.8			
		11-Jun-2019			
					EP 3555615
					23-Oct-2019
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF KIDNEY FUNCTION METABOLITES			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			

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REEL: 007006 FRAME: 0488





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Pending/Published Applications by Division Targeted Assays

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Page 12 of 24

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys
0065	Hong Kong	31HK REP HK 62020037419 04-Mar-2020		BGL
Title	MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF KIDNEY FUNCTION METABOLITES			
Status	Pending			
Division	Targeted Assays			
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC 481/31 HK Attorney Docket			
0065	Japan	31JP PCT JP 2019-553158 18-Jun-2019		BGL
Title	MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF KIDNEY FUNCTION METABOLITES			
Status	Pending			
Division	Targeted Assays			
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC 481/31 JP Attorney Docket			
0085	United States of America	31UTIL PCT 16/466,451 04-Jun-2019	US 20190346455 14-Nov-2019	BGL
Title	MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF KIDNEY FUNCTION METABOLITES			
Status	Published			
Division	Targeted Assays			
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC 481/31 UTIL Attorney Docket			
0097	Australia	2SAU PCT AU 2018254394 08-Oct-2019		BGL
Title	MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF ORGANIC ACID METABOLITES			
Status	Pending			
Division	Targeted Assays			
Assignee	Metabolon, Inc.			
Agent and Reference	NKLaw, PLLC 481/26 AU Attorney Docket			

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REEL: 007006 FRAME: 0489



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Pending/Published Applications by Division Targeted Assays

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Page 13 of 24

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0067	Canada	25CA			
		PCT			BGL
		CA 3,058,570	CA 3058570		
		30-Sep-2019	25-Oct-2018		
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF ORGANIC ACID METABOLITES			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0067	China (People's Republic)	25CN			
		PCT			BGL
		201890025818.5	CN 110573478		
		19-Oct-2019	19-Dec-2019		
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF ORGANIC ACID METABOLITES			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0097	European Patent Convention	25EP			
		PCT			BGL
		EP 18788080.4	EP 3612509		
		01-Nov-2019	26-Feb-2020		
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF ORGANIC ACID METABOLITES			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0097	Japan	25JP			
		PCT			BGL
		JP 2019-555943			
		18-Oct-2019			
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF ORGANIC ACID METABOLITES			
Status		Pending			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			

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REEL: 007006 FRAME: 0490



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Various International Offices in Progress

Pending/Published Applications by Division Targeted Assays

Wednesday, June 17, 2020  
Page 14 of 24

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0067	United States of America	25-UTIL PCT 18/604,357 10-Oct-2019	US 20200158702 21-May-2020	BGL	
Title		MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF ORGANIC ACID METABOLITES			
Status		Published			
Division		Targeted Assays			Expiration Date
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0068	Australia	24AU PCT AU 2018243899 06-Sep-2019		BGL	
Title		COMPREHENSIVE AND QUANTITATIVE LIPID AND TOCOPHEROL ANALYSIS			
Status		Pending			Expiration Date
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0088	Canada	24CA PCT CA 3,056,254 11-Sep-2019	CA 3056254 04-Oct-2018	BGL	
Title		COMPREHENSIVE AND QUANTITATIVE LIPID AND TOCOPHEROL ANALYSIS			
Status		Published			Expiration Date
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0098	China (People's Republic)	24CN PCT CN 201880021309.5 26-Sep-2019	CN 110494564 A 22-Nov-2019	BGL	
Title		COMPREHENSIVE AND QUANTITATIVE LIPID AND TOCOPHEROL ANALYSIS			Expiration Date
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			



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Pending/Published Applications by Division Targeted Assays

Wednesday, June 17, 2020  
Page 15 of 24

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0068	European Patent Convention	2AEP		BGL	
		PCT			
		EP 18777647.1	EP 3602605		
		18-Sep-2019	05-Feb-2020		
Title	COMPREHENSIVE AND QUANTITATIVE LIPID AND TOCOPHEROL ANALYSIS				
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	NKLAW, PLLC				
481/24 EP	Attorney Docket				
0068	Japan	24JP		BGL	
		PCT			
		JP 2019-553367			
		27-Sep-2019			
Title	COMPREHENSIVE AND QUANTITATIVE LIPID AND TOCOPHEROL ANALYSIS				
Status	Pending				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	NKLAW, PLLC				
481/24 JP	Attorney Docket				
0088	United States of America	24UTIL		BGL	
		PCT			
		16/491,471	US 2020033350		
		05-Sep-2019	30-Jan-2020		
Title	COMPREHENSIVE AND QUANTITATIVE LIPID AND TOCOPHEROL ANALYSIS				
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	NKLAW, PLLC				
481/24 UTIL	Attorney Docket				
0099	Australia	5224		MCE	
		PCT			
		AU2018341599			
		26-Mar-2020			
Title	COMPOUNDS, REAGENTS, AND USES THEREOF (DMTPA)				
Status	Pending				
Division	Targeted Assays				
Assignee	Metabolon, Inc.				
Agent and Reference	McCart & English				
117729-05224	Attorney Docket				



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Pending/Published Applications by Division Targeted Assays

Wednesday, June 17, 2020  
Page 15 of 24

Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0069	Canada	5226			
		PCT			
		CA 3,077,029	CA 3,077,029		
		25-Mar-2020	04-Apr-2019		
					MCE
Title		COMPOUNDS, REAGENTS, AND USES THEREOF (DMTPA)			
Status		Published			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-05226					
0069	China (People's Republic)	5226			
		PCT			
		Unassigned			
		26-May-2020			
Title		COMPOUNDS, REAGENTS, AND USES THEREOF (DMTPA)			
Status		Pending			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-05228					
0089	European Patent Convention	5235			
		PCT			
		EP 1878608.2			
		23-Apr-2020			
Title		COMPOUNDS, REAGENTS, AND USES THEREOF (DMTPA)			
Status		Pending			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-05235					
0089	Japan	5243			
		PCT			
		JP 2020-518089			
		27-Mar-2020			
Title		COMPOUNDS, REAGENTS, AND USES THEREOF (DMTPA)			
Status		Pending			
Division		Targeted Assays			
Assignee		Metabolon, Inc.			
Agent and Reference		McCarter & English			
117729-05243					

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Pending/Published Applications by Division Targeted Assays

Wednesday, June 17, 2020  
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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0069 United States of America	5202 PCT	18/650,429 25-Mar-2020		MCE	
Title	COMPOUNDS, REAGENTS, AND USES THEREOF (DMTPA)				
Status	Pending				
Division	Targeted Assays				Expiration Date
Assignee	Metabolon, Inc.	Attorney Docket			
Agent and Reference	McCarter & English	117729-05202			
0076 Patent Cooperation Treaty	28PCT	ORD PCT/US19/25189 04-Apr-2019	WO 2019/195128 10-Oct-2019	NK, BGL	
Title	MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF LIVER FUNCTION METABOLITES				Expiration Date
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.	Attorney Docket			
Agent and Reference	NKLaw, PLLC	48128 PCT			
0077 Patent Cooperation Treaty	278PCT	ORD PCT/US2019/49422 04-Sep-2019	WO 2020/055631 18-Mar-2020	NK	
Title	MASS SPECTROMETRY ASSAY METHOD FOR DETECTION AND QUANTITATION OF MICROBIOME METABOLITES				Expiration Date
Status	Published				
Division	Targeted Assays				
Assignee	Metabolon, Inc.	Attorney Docket			
Agent and Reference	NKLaw, PLLC	481278 PCT			

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Various International Offices in 180+<sup>+</sup>

Pending/Published Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0026PCT	European Patent Convention	26EP			
		PCT			
		EP 09702067.7	EP 2235923A		
		19-Jul-2019	06-Oct-2019		
Title	Allowed	SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIUM FOR DETERMINING COMPOSITION OF CHEMICAL CONSTITUENTS IN A COMPLEX MIXTURE			
Status	Technology	Expiration Date			
Division	Metabolon, Inc.	Attorney Docket	1888/7 PCT		
Assignee	Jenkins Wilson Taylor & Hunt	1888/7 PCT/EP			
Agent and Reference					
0050	Australia	5024			
		PCT			
		AU 2015243857			
		08-Oct-2016			
Title	Pending	SMALL MOLECULE BIOCHEMICAL PROFILING OF INDIVIDUAL SUBJECTS FOR DISEASE DIAGNOSIS AND HEALTH ASSESSMENT			
Status	Technology	Attorney Docket	5001		Expiration Date
Division	Metabolon, Inc.				
Assignee	McCarter & English	117729-05024			
Agent and Reference					
0050	Canada	5026			
		PCT			
		CA 2,945,165	CA 2945165		
		08-Oct-2016	15-Oct-2015		
Title	Published	SMALL MOLECULE BIOCHEMICAL PROFILING OF INDIVIDUAL SUBJECTS FOR DISEASE DIAGNOSIS AND HEALTH ASSESSMENT			
Status	Technology	Attorney Docket	5001		Expiration Date
Division	Metabolon, Inc.				
Assignee	McCarter & English	117729-05026			
Agent and Reference					
0050	China (People's Republic)	5028			
		PCT			
		CN 20 1580030719.2	CN 106537145		
		08-Dec-2016	22-Mar-2017		
Title	Published	SMALL MOLECULE BIOCHEMICAL PROFILING OF INDIVIDUAL SUBJECTS FOR DISEASE DIAGNOSIS AND HEALTH ASSESSMENT			
Status	Technology	Attorney Docket	5001		Expiration Date
Division	Metabolon, Inc.				
Assignee	McCarter & English	117729-05028			
Agent and Reference					

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Various International Offices to 3007

Pending/Published Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0050	European Patent Convention	5035			
		PCT			
		EP 15721055.9	EP 3,129,909		
		18-Oct-2018	15-Feb-2017		
				MCE	
Title	Allowed				
Status	Technology				
Division	Metabolon, Inc.				
Assignee	McCarter & English				
Agent and Reference		117729-05035			
0050	Japan	5043			
		PCT			
		JP 2016-561615	JP 2017-516085		
		07-Oct-2016	15-Jun-2017		
				MCE	
Title	Published				
Status	Technology				
Division	Metabolon, Inc.				
Assignee	McCarter & English				
Agent and Reference		117729-05043			
0050	United States of America	5005			
		OCN			
		16/286,259	US 2020-0625729		
		26-Feb-2019	23-Jan-2020		
				MCE	
Title	Published				
Status	Technology				
Division	Metabolon, Inc.				
Assignee	McCarter & English				
Agent and Reference		117729-05005			
0051	European Patent Convention	29.1			
		PCT			
		EP 15729638.5	EP 3,149,782		
		21-Dec-2016	05-Apr-2017		
				WCS	
Title	Published				
Status	Technology				
Division	Metabolon, Inc.				
Assignee	McCarter & English				
Agent and Reference		0029.1			

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REEL: 007006 FRAME: 0496





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Various International Offices to 3887

Pending/Published Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0052	Canada	4812			
		PCT			
		CA 2955204	CA 2955204		
		13-Jan-2017	04-Feb-2016		
Title					
Status					
Division					
Assignee					
Agent and Reference					
0052	China (People's Republic)	4812			
		PCT			
		CN 201580040519.5	CN 107075539 A		
		25-Jan-2017	16-Aug-2017		
Title					
Status					
Division					
Assignee					
Agent and Reference					
0052	European Patent Convention	4812			
		PCT			
		EP 15627995.0	EP 3,174,991		
		26-Feb-2017	07-Jun-2017		
Title					
Status					
Division					
Assignee					
Agent and Reference					
0052	Japan	4812			
		PCT			
		JP 2017-505546			
		30-Jan-2017			
Title					
Status					
Division					
Assignee					
Agent and Reference					

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REEL: 007006 FRAME: 0497



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Pending/Published Applications by Division Technology

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Matter Number, Country, Sub Case	Case Type	Application Number, Date	Publication Number, Date	Attorneys	Patent Number, Date
0052 United States of America	PCT	4812 15/254,579 30-Aug-2016	US 2017/0192023 06-Jul-2017	NK	
Title		METHODS AND COMPOSITIONS FOR ANALYSIS OF STRUCTURALLY DIVERSE COMPLEX LIPIDS			
Status		Published			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0072 Patent Cooperation Treaty	31 Z	ORD		WCS	
Title		SYSTEM AND METHOD FOR IDENTIFYING SMALL MOLECULE COMPONENTS IN A COMPLEX MIXTURE			
Status		Published			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		Worble Carlye Sandridge & Rice			
0074 Australia	27AU	PCT		NK, BGL	
Title		A STREAMLINED METHOD FOR ANALYTICAL VALIDATION OF BIOCHEMICALS DETECTED USING AN UNTARGETED MASS SPECTROMETRY PLATFORM			
Status		Pending			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			
0074 Canada	27CA	PCT		NK, BGL	
Title		A STREAMLINED METHOD FOR ANALYTICAL VALIDATION OF BIOCHEMICALS DETECTED USING AN UNTARGETED MASS SPECTROMETRY PLATFORM			
Status		Pending			
Division		Technology			
Assignee		Metabolon, Inc.			
Agent and Reference		NKLaw, PLLC			



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Without Infringing Claims to 3887

Pending/Published Applications by Division Technology

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Matter Number, Country, Sub Case

Case Type

Attorneys

Application Number, Date

Publication Number, Date

Patent Number, Date

0074 China (People's Republic)

Z7CN

PCT

NK, BGL

Unassigned  
08-Apr-2020

Title A STREAMLINED METHOD FOR ANALYTICAL VALIDATION OF BIOCHEMICALS DETECTED USING AN UNTARGETED MASS SPECTROMETRY PLATFORM  
Status Pending  
Division Technology  
Assignee Metabolon, Inc.  
Agent and Reference NKLaw, PLLC

Expiration Date

Attorney Docket  
48127 CN

0074 European Patent Convention

Z7EP

PCT

NK, BGL

EP 13886744.8  
22-Apr-2020

Title A STREAMLINED METHOD FOR ANALYTICAL VALIDATION OF BIOCHEMICALS DETECTED USING AN UNTARGETED MASS SPECTROMETRY PLATFORM  
Status Pending  
Division Technology  
Assignee Metabolon, Inc.  
Agent and Reference NKLaw, PLLC

Expiration Date

Attorney Docket  
48127 EP

0074 Japan

Z7JP

PCT

NK, BGL

JP 2020-520283  
09-Apr-2020

Title A STREAMLINED METHOD FOR ANALYTICAL VALIDATION OF BIOCHEMICALS DETECTED USING AN UNTARGETED MASS SPECTROMETRY PLATFORM  
Status Pending  
Division Technology  
Assignee Metabolon, Inc.  
Agent and Reference NKLaw, PLLC

Expiration Date

Attorney Docket  
48127 JP

0074 United States of America

Z7UTL

PCT

NK, BGL

US 2020-016647  
17-Mar-2020

Title A STREAMLINED METHOD FOR ANALYTICAL VALIDATION OF BIOCHEMICALS DETECTED USING AN UNTARGETED MASS SPECTROMETRY PLATFORM  
Status Pending  
Division Technology  
Assignee Metabolon, Inc.  
Agent and Reference NKLaw, PLLC

Expiration Date

Attorney Docket  
48127 UTIL

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REEL: 007006 FRAME: 0499



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Pending/Published Applications by Division Technology

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Matter Number, Country, Sub Case

Case Type

Attorneys

Application Number, Date

Publication Number, Date

Patent Number, Date

0082 Patent Cooperation Treaty

281/2

PRD

PCT/US20/31982

08-May-2020

Title MASS SPECTROMETRY ASSAY METHODS FOR DETECTION OF METABOLITES

Expiration Date

30-Nov-2021

Status Pending

Attorney Docket

Division Technology

Metabolon, Inc.

481/281/2 PROV

Agent and Reference United States of America

281/2

PRD

62/964,583

29-Jan-2020

Title MASS SPECTROMETRY ASSAY METHODS FOR DETECTION OF METABOLITES

Expiration Date

23-Jan-2021

Status Pending

Attorney Docket

Division Technology

Metabolon, Inc.

481/281/2 PROV

Agent and Reference United States of America

281/PROV

PRD

62/855,004

31-May-2019

Title MASS SPECTROMETRY ASSAY METHODS FOR DETECTION OF METABOLITES

Expiration Date

31-May-2020

Status Pending

Attorney Docket

Division Technology

Metabolon, Inc.

481/281 PROV

Agent and Reference United States of America

281/PROV

PRD

62/855,004

31-May-2019

TRADEMARK

REEL: 007006 FRAME: 0500

# Selection Criteria

Wednesday, June 17, 2020

Record Count: 88

Sort:

Include:

Case Status:

Filing Date:

Division:

Agent:

Area:

Inventor:

Assignee:

Attorney:

Country:

Case Type:

Status Codes:

by Division Item Master Number:

Selection Criteria

Pending

[More ...](#)

Division:

Inventors:

Attorney:

Assignee:

Agent:

**Schedule B  
to Patent and Trademark Security Agreement**

TRADEMARKS AND TRADEMARK APPLICATIONS

See attached.

Trademark List by Owner

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase	Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status	Next Renewal
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accuGFR	15665.118/T001	Denmark	A0065526 09-Mar-2017		1347928 09-Mar-2017	Registered	09-Mar-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

accuGFR	15665.118/T001	Finland	A0065526 09-Mar-2017		1347928 09-Mar-2017	Registered	09-Mar-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

accuGFR	15665.118/T001	Int'l Registration - Madrid Protocol		09-Mar-2017	1347928 09-Mar-2017	Registered	09-Mar-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

accuGFR	15665.139/	Italy			1347928 19-Jun-2018	Registered	
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Class(es):  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

accuGFR	15665.118/T001	Italy	A0065526 09-Mar-2017		1347928 09-Mar-2017	Registered	09-Mar-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

Trademark List by Owner

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase	Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status	Next Renewal
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accuGFR	15665.118/T001	Spain	A0065526 09-Mar-2017		1347928 09-Mar-2017	Registered	09-Mar-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

accuGFR	15665.118/T001	Sweden	A0065526 09-Mar-2017		1347928 09-Mar-2017	Registered	09-Mar-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

accuGFR	15665.140/	Sweden			1347928 20-Jun-2018	Registered	20-Jun-2028
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Class(es):  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

LIPOMICS	15665.086/T001	United States of America	86400298 19-Sep-2014	17-Mar-2015	4746986 02-Jun-2015	Registered	02-Jun-2025
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Class(es): 42  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

Lipomics Logo	15665.084/T001	United States of America	86400276 19-Sep-2014	10-Feb-2015	4727737 28-Apr-2015	Registered	28-Apr-2025
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Class(es): 42  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:



**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase	Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status	Next Renewal
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META IMD	15665.105/T001	Austria	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered	07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001	Benelux	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered	
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.127/T001	Brazil	912966815 30-Jun-2017	18-Jul-2017	912966815 13-Nov-2018	Registered	
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Class(es): 5  
 Agent Name: Luiz Leonardos  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.106/	Canada	1866557 06-Nov-2017	13-Feb-2019	1025134 12-Jun-2019	Registered	
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Class(es): 5  
 Agent Name: McMillan  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.130/T001	Chile	1261929 24-Jul-2017	01-Sep-2017	1273654 24-Apr-2018	Registered	24-Apr-2028
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
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META IMD	15665.105/T001 China (People's Republic)	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 06-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001 Colombia	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001 Denmark	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001 Finland	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001 France	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

Trademark List by Owner

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
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META IMD	15665.105/T001 Germany	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

TRADEMARK

META IMD	15665.105/T001 Intl Registration - Madrid Protocol Only	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001 Japan	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.143/ Mexico			1361969 29-Jun-2018	Registered
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Class(es):  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001 Mexico	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
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META IMD	15665.105/T001 Norway	A0067599 07-Jun-2017	03-Sep-2018	1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.129/T001 Peru	708373 09-Jun-2017	05-Jul-2017	253734 22-Aug-2017	Registered 22-Aug-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.126/T001 Qatar	116429 08-Aug-2017	02-Dec-2018	116429 02-May-2019	Registered
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.125/T001 Saudi Arabia	1438025290 09-Aug-2017	07-Feb-2018	1438025290 07-Aug-2018	Registered 19-Apr-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

META IMD	15665.105/T001 Spain	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

**Trademark List by Owner**

Owner: **METAB** Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
<b>META IMD</b>	15665.105/T001 Sweden	A0067599 07-Jun-2017	03-Jul-2018	1361969 07-Jun-2017	Registered 07-Jun-2027

Class(es): 5  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

<b>META IMD</b>	15665.105/T001 United Kingdom	A0067599 07-Jun-2017		1361969 07-Jun-2017	Registered 07-Jun-2027
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Class(es): 5  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

<b>META IMD</b>	15665.104/T001 United States of America	87192130 04-Oct-2016	25-Jul-2017	5476323 22-May-2018	Registered 22-May-2028
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Class(es): 5  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

<b>METABOLON</b>	15665.087/T001 United States of America	78561330 05-Feb-2005	22-Nov-2005	3,058,960 14-Feb-2006	Registered 14-Feb-2026
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Class(es): 42  
 Agent Name:  
 Division:  
 Attorney(s): DEW JMF  
 Agent Ref:  
 Division Ref:

<b>METABOLON &amp; Design</b>	15665.088/T001 United States of America	77443519 09-Apr-2008	26-Aug-2008	3530800 11-Nov-2008	Registered 11-Nov-2028
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Class(es): 42  
 Agent Name:  
 Division:  
 Attorney(s): DEW JMF  
 Agent Ref:  
 Division Ref:

**Trademark List by Owner**

Owner: **METAB** Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
METABOLON Metaboman Design	15665.079/T001 Austria	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 09-Apr-2025
Class(es): 42 Agent Name: Division:					
Attorney(s): DEW Agent Ref: Division Ref:					

METABOLON Metaboman Design	15665.079/T001 Benelux	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 03-Nov-2024
Class(es): 42 Agent Name: Division:					
Attorney(s): DEW Agent Ref: Division Ref:					

METABOLON Metaboman Design	15665.079/T001 Germany	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 03-Nov-2024
Class(es): 42 Agent Name: Division:					
Attorney(s): DEW Agent Ref: Division Ref:					

METABOLON Metaboman Design	15665.079/T001 Int'l Registration - Madrid Protocol Only	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 03-Nov-2024
Class(es): 42 Agent Name: Division:					
Attorney(s): DEW Agent Ref: Division Ref:					

METABOLON Metaboman Design	15665.079/T001 Japan	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 03-Nov-2024
Class(es): 42 Agent Name: Division:					
Attorney(s): DEW Agent Ref: Division Ref:					

**TRADEMARK**

**Trademark List by Owner**

Owner: **METAB** Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
METABOLON Metaboman Design	15665.079/T001 Mexico	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 03-Nov-2024

Class(es): 42  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLON Metaboman Design	15665.079/T001 Switzerland	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 03-Nov-2024
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Class(es): 42  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLON Metaboman Design	15665.079/T001 United Kingdom	A0046136 03-Nov-2014		1242182 09-Apr-2015	Registered 03-Nov-2024
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Class(es): 42  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLON Metaboman Design	15665.082/T001 United States of America	86442915 03-Nov-2014	07-Apr-2015	4814724 15-Sep-2015	Registered 15-Sep-2025
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Class(es): 42  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLON PLUS DESIGN (SPHERE)	15665.091/T001 Canada	1390597 09-Apr-2008	22-Apr-2009	TMAA793994 28-Mar-2011	Registered 28-Mar-2026
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Class(es): 42  
 Agent Name: Osler Hoskin & Harcourt  
 Division:

Attorney(s): JMF DSP  
 Agent Ref:  
 Division Ref:

**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
METABOLON PLUS DESIGN (SPHERE)	15665.081/T001 Int'l Registration - Madrid Protocol Only	A0012140 18-Apr-2008	28-Nov-2008	978675 18-Apr-2008	Registered 18-Apr-2028
	Class(es): 42			Attorney(s): JMF DSP	
	Agent Name:			Agent Ref:	
	Division:			Division Ref:	
METABOLYNOC & Design	15665.080/T001 Austria	A0046148 04-Nov-2014		1241978 04-Nov-2014	Registered 04-Nov-2024
	Class(es): 41, 42			Attorney(s): DEW	
	Agent Name:			Agent Ref:	
	Division:			Division Ref:	
METABOLYNOC & Design	15665.080/T001 Benelux	A0046148 04-Nov-2014		1241978 04-Nov-2014	Registered 04-Nov-2024
	Class(es): 41, 42			Attorney(s): DEW	
	Agent Name:			Agent Ref:	
	Division:			Division Ref:	
METABOLYNOC & Design	15665.080/T001 Germany	A0046148 04-Nov-2014		1241978 04-Nov-2014	Registered 04-Nov-2024
	Class(es): 41, 42			Attorney(s): DEW	
	Agent Name:			Agent Ref:	
	Division:			Division Ref:	

TRADEMARK



Wednesday, June 17, 2020

Trademark List by Owner

Page: 11

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase	Application Number/Date	Publication Number/Date	Registration Number/Date	Status
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METABOLYNC & Design	15665.080/T001	A0046148		1241978	Registered
	Int'l Registration - Madrid Protocol Only				
				04-Nov-2014	04-Nov-2024

Class(es): 41, 42  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLYNC & Design	15665.080/T001	A0046148		1241978	Registered
	Japan				
				04-Nov-2014	04-Nov-2024

Class(es): 41, 42  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLYNC & Design	15665.080/T001	A0046148		1241978	Registered
	Switzerland				
				04-Nov-2014	04-Nov-2024

Class(es): 41, 42  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLYNC & Design	15665.080/T001	A0046148		1241978	Registered
	United Kingdom				
				04-Nov-2014	04-Nov-2024

Class(es): 41, 42  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

METABOLYNC & Design	15665.083/T001	86442918		4801218	Registered
	United States of America				
				03-Nov-2014	25-Aug-2025

Class(es): 41, 42, 44  
 Agent Name:  
 Division:  
 Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

TRADEMARK

REEL: 007006 FRAME: 0513

**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
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METABOLYNOC & Design (Class 41 only)	15665.080/T002 Mexico	A0046148 04-Nov-2014		1241978 04-Nov-2014	Registered 04-Nov-2024
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Class(es): 42

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

METABOLYNOC & Design (Class 42 only)	15665.080/T001 Mexico	A0046148 04-Nov-2014		1241978 04-Nov-2014	Registered 04-Nov-2024
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Class(es): 42

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

PRECISION METABOLOMICS	15665.122/T001 Int'l Registration - Madrid Protocol Only	A0067091 16-May-2017		1356888 20-Jul-2017	Registered 16-May-2027
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Class(es): 42

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

PRECISION METABOLOMICS	15665.142/ Mexico			1356888 04-Jul-2018	Registered
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Class(es):

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

PRECISION METABOLOMICS	15665.122/T001 United Kingdom	A0067091 16-May-2017		1356888 20-Jul-2017	Registered 16-May-2027
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Class(es): 42

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
PRECISION METABOLOMICS	15665.121/T001 United States of America	87438891 05-May-2017	27-Mar-2018	5618320 27-Nov-2018	Registered 27-Nov-2028

Class(es): 42

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

**TRADEMARK**

REEL: 007006 FRAME: 0515

QUANTOSE	15665.096/T001 Benelux	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

QUANTOSE	15665.096/T001 China (People's Republic)	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

QUANTOSE	15665.096/T001 Denmark	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

QUANTOSE	15665.096/T001 Finland	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
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QUANTOSE	15665.096/T001 Germany	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 Intl Registration - Madrid Protocol Only	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 Italy	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 Japan	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 Mexico	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

**Trademark List by Owner**

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
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QUANTOSE	15665.096/T001 Norway	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 Spain	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 Sweden	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 Switzerland	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

QUANTOSE	15665.096/T001 United Kingdom	A0053483 29-Sep-2015		1278334 29-Sep-2015	Registered 29-Sep-2025
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Class(es): 5  
 Agent Name:  
 Division:

Attorney(s): DEW  
 Agent Ref:  
 Division Ref:

Trademark List by Owner

Owner: METAB Metabolon, Inc.

Trademark	Case Number/Subcase Country Name	Application Number/Date	Publication Number/Date	Registration Number/Date	Status Next Renewal
QUANTOSE	15665.090/T001 United States of America	85468464 09-Nov-2011	24-Apr-2012	4956087 10-May-2016	Registered 10-May-2026

Class(es): 5

Agent Name:

Division:

Attorney(s): DEW JMF JCL

Agent Ref:

Division Ref:

TRADEMARK

TRUEMASS	15665.085/T001 United States of America	86400285 19-Sep-2014	10-Feb-2015	4727739 28-Apr-2015	Registered 28-Apr-2025
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Class(es): 42

Agent Name:

Division:

Attorney(s): DEW

Agent Ref:

Division Ref:

# Report Selection

- by Trademark
- by Country
- by Division
- by Owner

Preview before printing

- Report Format**
- Concise
  - Comprehensive

- Goods**
- Print
  - Do Not Print

- Remarks**
- Print
  - Do Not Print

**Include Design Countries**

- Yes
- No

### Date Range

Filing       Registration       Next Renewal       Last Update  
 From :       To :

Division:

Country:

Area:

Trademark:

Owner:  METAB

Status Codes:

- Active
- Inactive
- All

Status(es):

TRADEMARK