

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6527529

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
CELGENE INTERNATIONAL II SÀRL	06/22/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	RECEPTOS LLC
<b>Street Address:</b>	430 EAST 29TH STREET, 14TH FLOOR
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10016

**PROPERTY NUMBERS Total: 127**

Property Type	Number
Patent Number:	8362048
Patent Number:	9388147
Patent Number:	10239846
Patent Number:	9394264
Patent Number:	8357706
Patent Number:	8507538
Patent Number:	9481659
Patent Number:	8816121
Patent Number:	8501982
Patent Number:	9278910
Patent Number:	9700543
Patent Number:	9187522
Patent Number:	8778923
Patent Number:	10259823
Patent Number:	9260427
Patent Number:	9598430
Patent Number:	9474755
Patent Number:	9839664
Patent Number:	9795613
Patent Number:	10034886

PATENT

<b>Property Type</b>	<b>Number</b>
Application Number:	61485872
Application Number:	61618424
Application Number:	13470104
Application Number:	61261301
Application Number:	61262474
Application Number:	15170686
Application Number:	13740661
Application Number:	16270469
Application Number:	16552960
Application Number:	13740669
Application Number:	61261282
Application Number:	61261295
Application Number:	14563742
Application Number:	13941695
Application Number:	14975244
Application Number:	61486184
Application Number:	61353174
Application Number:	14626719
Application Number:	14329393
Application Number:	14873563
Application Number:	61491446
Application Number:	61535750
Application Number:	61569759
Application Number:	15608740
Application Number:	15050315
Application Number:	61734300
Application Number:	61569754
Application Number:	61570789
Application Number:	14878660
Application Number:	61981643
Application Number:	61833737
Application Number:	61836950
Application Number:	61898971
Application Number:	15033311
Application Number:	15982909
Application Number:	62090040
Application Number:	62161650
Application Number:	62028962

<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16827515
<b>Application Number:</b>	15804762
<b>Application Number:</b>	16538505
<b>Application Number:</b>	16218278
<b>Application Number:</b>	16538553
<b>Application Number:</b>	16008773
<b>Application Number:</b>	16835046
<b>Application Number:</b>	16227510
<b>Application Number:</b>	62090268
<b>Application Number:</b>	62161658
<b>Application Number:</b>	62164113
<b>Application Number:</b>	15693274
<b>Application Number:</b>	62293731
<b>Application Number:</b>	62293728
<b>Application Number:</b>	62478496
<b>Application Number:</b>	62383202
<b>Application Number:</b>	16335641
<b>Application Number:</b>	16337298
<b>Application Number:</b>	62402565
<b>Application Number:</b>	16337292
<b>Application Number:</b>	62401762
<b>Application Number:</b>	16608134
<b>Application Number:</b>	62491892
<b>Application Number:</b>	16611451
<b>Application Number:</b>	62502909
<b>Application Number:</b>	62504206
<b>Application Number:</b>	62544467
<b>Application Number:</b>	62648858
<b>Application Number:</b>	62826769
<b>Application Number:</b>	62826778
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<b>Application Number:</b>	62826790
<b>Application Number:</b>	62648878
<b>Application Number:</b>	62648889
<b>Application Number:</b>	62826794
<b>Application Number:</b>	62826797
<b>Application Number:</b>	62648894
<b>Application Number:</b>	62654152

Property Type	Number
Application Number:	62662102
Application Number:	62648837
Application Number:	62839495
Application Number:	62690197
Application Number:	63018327
Application Number:	63001073
Application Number:	63018333
Application Number:	63001085
Application Number:	63018347
Application Number:	63001090
PCT Number:	US2012037622
PCT Number:	US2010056760
PCT Number:	US2010056757
PCT Number:	US2010056759
PCT Number:	US2012037609
PCT Number:	US2011039873
PCT Number:	US2012040250
PCT Number:	US2012069289
PCT Number:	US2014041997
PCT Number:	US2014063504
PCT Number:	US2015042114
PCT Number:	US2015065109
PCT Number:	US2017049768
PCT Number:	US2017054298
PCT Number:	US2017054053
PCT Number:	US2018029597
PCT Number:	US2018031695
PCT Number:	US2020025132
PCT Number:	US2020025138
PCT Number:	US2020025141
PCT Number:	US2020025142

**CORRESPONDENCE DATA**

**Fax Number:**

*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.*

**Phone:** 206-622-4900

**Email:** chrism@seedip.com

**Correspondent Name:** KARL R. HERMANNNS

**Address Line 1:** SEED IP LAW GROUP LLP

**PATENT**

**Address Line 2:** 701 FIFTH AVENUE, SUITE 5400  
**Address Line 4:** SEATTLE, WASHINGTON 98104

**ATTORNEY DOCKET NUMBER:** 800059.006

**NAME OF SUBMITTER:** KARL R. HERMANN S

**SIGNATURE:** /Karl R. Hermanns/

**DATE SIGNED:** 02/01/2021

**Total Attachments: 42**

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## PATENT ASSIGNMENT

This PATENT ASSIGNMENT (this “*Assignment*”), effective as of June 22, 2020 (the “*Effective Date*”), is made by and between Receptos LLC a limited liability company formed under the laws of Delaware (“*Assignee*”) and Celgene International II Sàrl, a company organized under the laws of Switzerland (“*Assignor*”). Assignee and Assignor are sometimes herein each referred to as a “*Party*” and collectively as the “*Parties*.” Capitalized terms used herein but not otherwise defined herein shall have the meanings set forth in the Assignment Agreement (defined below).

WHEREAS, Assignor and Assignee have entered into that certain Assignment Agreement, dated as of June 22, 2020 (as may be amended or restated from time to time, the “*Assignment Agreement*”), pursuant to which, among other things, Assignor agreed to assign, transfer and deliver to Assignee certain Transferred IP (as defined in the Assignment Agreement), as more fully described in the Assignment Agreement, on the terms and subject to the conditions set forth in the Assignment Agreement;

WHEREAS, the Transferred IP includes, without limitation, the patents and patent applications set forth on Annex A hereto (collectively, the “*Transferred Patents*”); and

WHEREAS, Assignor and Assignee now desire to enter into this Assignment to evidence the assignment, transfer and delivery to Assignee of the Transferred Patents;

NOW THEREFORE, for good and valuable consideration, including the past consideration set forth in the Assignment Agreement, the receipt and sufficiency of which is hereby acknowledged, Assignor and Assignee hereby agree as follows:

1. Assignment. Assignor hereby assigns, transfers and delivers to Assignee, and Assignee hereby acquires from Assignor, all rights and interests of Assignor in and to the Transferred Patents, for the United States and for all foreign countries (including, without limitation, all rights therein provided by international conventions and treaties), including, without limitation, any reissues, divisions, continuations, continuations-in-part, extensions, re-examinations and foreign equivalents thereof, all inventions disclosed therein and improvements thereto, all rights to claim priority thereto or therefrom, and all rights therein provided by international treaties and conventions, together with all associated income, royalties, damages or payments accrued, due or payable as of the Effective Date or thereafter and including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Transferred Patents, with the right to sue for, and collect the same, in each case, for Assignee’s own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

2. No Warranties. Except as expressly provided in the Assignment Agreement, Assignor makes no warranties, express or implied, with respect to the Transferred Patents.

3. Recordal. Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of any applicable Governmental Authority, to record this Assignment and to issue any and all registrations from any and all applications for registration included in the Transferred Patents to and in the name of Assignee.

4. Further Assurances. Assignor shall, at the cost and expense of Assignee, timely execute and deliver any additional documents and perform such additional acts necessary or desirable to record and perfect the interest of Assignee in and to the Transferred Patents.

5. Interpretation. This Assignment is intended to implement the provisions of the Assignment Agreement, is expressly subject to the terms and conditions thereof, and shall not be construed to enhance, extend or limit the representations and warranties, rights, obligations or remedies of any party thereunder. In case of any conflict or inconsistency between the terms and conditions of this Assignment and the terms and conditions of the Assignment Agreement, the terms and conditions of the Assignment Agreement shall govern.

6. Amendment. Except as otherwise provided herein, no amendment, modification or supplement of any provision of this Assignment shall be valid or effective unless made in writing and signed by a duly authorized officer of each Party.

7. Waiver. No provision of this Assignment shall be waived by any act, omission or knowledge of a Party or its agents or employees except by an instrument in writing expressly waiving such provision and signed by a duly authorized officer of the waiving Party.

8. Counterparts, Facsimile Signatures. This Assignment may be executed in two (2) or more counterparts and such counterparts taken together shall constitute one and the same agreement. This Assignment may be executed by facsimile signatures, which signatures shall have the same force and effect as original signatures.

9. Descriptive Headings. The descriptive headings of this Assignment are for convenience only, and shall be of no force or effect in construing or interpreting any of the provisions of this Assignment.

10. Governing Law. This Assignment shall be governed and construed in accordance with the laws of the State of New York, without giving effect to any choice of law provisions thereof that would result in the application of the law of any jurisdiction other than New York. Each Party hereby submits itself for the purpose of this Assignment and any controversy arising hereunder to the exclusive jurisdiction of the state and federal courts located in the State of New York, and any courts of appeal therefrom, and waives any objection on the grounds of lack of jurisdiction (including, without limitation, venue) to the exercise of such jurisdiction over it by any such courts.

11. Severability. If any provision hereof should be held invalid, illegal or unenforceable in any respect in any jurisdiction, the Parties hereto shall substitute, by mutual consent, valid provisions for such invalid, illegal or unenforceable provisions which valid provisions in their economic effect are sufficiently similar to the invalid, illegal or unenforceable



provisions that it can be reasonably assumed that the Parties would have entered into this Assignment with such valid provisions. In case such valid provisions cannot be agreed upon, the invalid, illegal or unenforceable provisions of this Assignment shall not affect the validity of this Assignment as a whole, unless the invalid, illegal or unenforceable provisions are of such essential importance to this Assignment that it is to be reasonably assumed that the Parties would not have entered into this Assignment without the invalid, illegal or unenforceable provisions.

12. Independent Contractors. The relationship between the Parties created by this Assignment is one of independent contractors and no Party shall have the power or authority to bind or obligate the others except as expressly set forth in this Assignment.

13. Expenses. Unless otherwise provided herein, all costs and expenses incurred in connection with this Assignment and the transactions contemplated hereby shall be paid by the Party which shall have incurred the same and the other Party shall have no liability relating thereto.

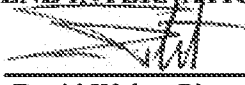
14. Third Party Beneficiaries. No person or entity other than the Parties hereto and their respective Affiliates, successors and permitted assigns shall be deemed an intended beneficiary hereunder or have any right to enforce any obligation of this Assignment.


15. No Strict Construction. This Assignment has been prepared jointly and shall not be strictly construed against any Party.

*[Signature Page Immediately Follows.]*

IN WITNESS WHEREOF, duly authorized representatives of the Parties have duly executed this Assignment as of the Effective Date.

**CELGENE INTERNATIONAL II SÀRL**

By:   
Name: David Walter Pignolet  
Title: Managing Officer

By:   
Name: Sze Shean Teo Burgat  
Title: Managing Officer

**RECEPTOS LLC**  
By Crops Ltd., its sole member

By: \_\_\_\_\_  
Name: Kevin Mello  
Title: Director

IN WITNESS WHEREOF, duly authorized representatives of the Parties have duly executed this Assignment as of the Effective Date.

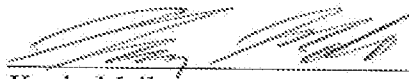
**CELGENE INTERNATIONAL II SÀRL**

By: \_\_\_\_\_  
Name:  
Title: Managing Officer

By: \_\_\_\_\_  
Name:  
Title: Managing Officer

**RECEPTOS LLC**

By Cresp Ltd., its sole member

By:   
Name: Kevin Mello  
Title: Director

Annex A  
Transferred Patents

**PATENTS – Joint Ownership between CIS II and The Scripps Research Institute (“TSRI”)**

Title	Application No.	Filing Date	Pub. No. (Patent No.)	Pub. Date (Issue Date)	Country	Status	Ownership
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	61/485872	5/13/2011			US	Lapsed	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	61/618424	3/30/2012			US	Lapsed	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	PCT/US2012/37622	5/11/2012	WO 2012/158555	11/22/2012	PCT	Converted	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	13/470104	5/11/2012	2012-0288913	11/15/2012	US	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	2012256101	5/11/2012			AU	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	201391514	5/11/2012			Eurasian Patent Org.	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	EP12786737.2	5/11/2012			EPO	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	228790	5/11/2012			IL	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	617631	5/11/2012			NZ	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	2012800229077	5/11/2012	103874711 A		CN	Pending	Joint between CIS II and TSRI

Title	Application No.	Filing Date	Pub. No. (Patent No.)	Pub. Date (Issue Date)	Country	Status	Ownership
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	2832739	5/11/2012			CA	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	3287/KOLNP/2013	5/11/2012			IN	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	2014 - 511424	5/11/2012			JP	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	10-2013-7029904	5/11/2012			KR	Pending	Joint between CIS II and TSRI
Novel Fusion Partners for the Purpose of Crystallizing G-Protein Coupled Receptors	201307739-1	5/11/2012			SG	Pending	Joint between CIS II and TSRI

**PATENTS – Sole Ownership by CIS II**

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401/P1	US	Selective Sphingosine I Phosphate Modulators and Methods of Chiral Synthesis	NP-Filed	61/261301	11/13/2009			CIS II
800059.401/P2	US	Selective Sphingosine I Phosphate Modulators and Methods of Chiral Synthesis	NP-Filed	61/262474	11/18/2009			CIS II
800059.401	US	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	12/946819	11/15/2010	8362048	1/29/2013	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401/D2	US	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	14/632675	2/26/2015	9388147	7/12/2016	CIS II
800059.401/C1	US	Elective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	15/170686	6/01/2016			CIS II
800059.401/D3	US	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	15/406128	1/13/2017	10239846	3/26/2019	CIS II
800059.401/D1	US	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	13/740661	1/14/2013			CIS II
800059.401/C2	US	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	16/270469	2/07/2019			CIS II
800059.401/C3	US	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Pending	16/552960	8/27/2019			CIS II
800059.401	AL	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	AT	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	AU	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2010319983	11/15/2010	2010319983	6/25/2015	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401/1	AU	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2015202660	11/15/2010	2015202660	2/09/2017	CIS II
800059.401	BE	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	BG	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	BR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Published	BR112012011427-1	11/15/2010			CIS II
800059.401/1	BR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Pending	BR122018077504-1	11/15/2010			CIS II
800059.401	BY	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201290323	11/15/2010	024801	10/31/2016	CIS II
800059.401	CA	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2780772	11/15/2010	2780772	1/16/2018	CIS II
800059.401/1	CA	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Allowed	2986521	11/15/2010			CIS II
800059.401	CH	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401	CN	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201080061144.8	11/15/2010	ZL201080061144.8	7/1/2015	CIS II
800059.401/1	CN	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201510295907.X	11/15/2010	ZL201510295907.X	5/29/2018	CIS II
800059.401	CY	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	CZ	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	DE	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	DK	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	EA	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201290323	11/15/2010	024801	10/31/2016	CIS II
800059.401/1	EA	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Allowed	201690391	11/15/2010			CIS II
800059.401	EE	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II



Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401	EP	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Converted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401/1	EP	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Published	18160667.4	11/15/2010			CIS II
800059.401	ES	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	FI	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	FR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	GB	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	GR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	HK	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	13103206.9	11/15/2010	HK1175948	5/13/2016	CIS II
800059.401/1	HK	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	13103138.2	11/15/2010			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401/2	HK	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	16100726.3	11/15/2010	1213874	6/28/2019	CIS II
800059.401	HR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	HU	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	IE	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	IL	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	219691	11/15/2010	219691	11/1/2019	CIS II
800059.401/1	IL	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Pending	267956	11/15/2010			CIS II
800059.401	IN	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Pending	1432/KOLNP/2012	11/15/2010			CIS II
800059.401	IS	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	IT	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401	JP	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2012-539065	11/15/2010	5650233	11/21/2014	CIS II
800059.401/1	JP	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2013-235966	11/15/2010	5982705	8/12/2016	CIS II
800059.401/2	JP	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	2014-229895	11/15/2010			CIS II
800059.401	KR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10-2012-7015292	11/15/2010	10-1721716	3/24/2017	CIS II
800059.401/1	KR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10-2016-7035297	11/15/2010	10-1752124	6/22/2017	CIS II
800059.401	KZ	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201290323	11/15/2010	024801	10/31/2016	CIS II
800059.401	LI	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	LT	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	LU	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401	LV	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	MC	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	MK	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	MT	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	MX	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	MX/a/2012/005560	11/15/2010	323259	9/2/2014	CIS II
800059.401	MY	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	PI-2012002084	11/15/2010	MY-161854-A	5/15/2017	CIS II
800059.401/1	MY	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Pending	PI-2016002092	11/15/2010			CIS II
800059.401	NL	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	NO	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401	NZ	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	599915	11/15/2010	599915	10/29/2014	CIS II
800059.401	PH	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	1-2012-500939	11/15/2010	1-2012-500939	3/21/2016	CIS II
800059.401/1	PH	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	1-2015-502708	11/15/2010	1-2015-502708	3/2/2018	CIS II
800059.401	PL	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	PT	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	RO	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	RS	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	RU	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201290323	11/15/2010	024801	10/31/2016	CIS II
800059.401/1	RU	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Allowed	201690391	11/15/2010			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.401	SE	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	SG	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	201203374-2	11/15/2010			CIS II
800059.401/1	SG	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10201407357P	11/15/2010	10201407357P	1/19/2018	CIS II
800059.401	SI	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	SK	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	SM	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	TR	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830880.0	11/15/2010	2498610	3/14/2018	CIS II
800059.401	WO	Selective Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Converted	US2010/056760	11/15/2010			CIS II
800059.402/C1	US	Sphingosine I Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	14/634439	2/27/2015	9394264	7/19/2016	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.402/D1	US	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	13/740669	1/14/2013			CIS II
800059.402/P1	US	Spingosine 1-Phosphate Modulators	NP-Filed	61/261282	11/13/2009			CIS II
800059.402	US	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	12/946800	11/15/2010	8357706	1/22/2013	CIS II
800059.402	AL	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	AT	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	AU	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2010320041	11/15/2010	2010320041	7/16/2015	CIS II
800059.402	BE	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	BG	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	BR	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Published	BR1120120114301	11/15/2010			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.402	CA	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2780433	11/15/2010	2780433	1/2/2018	CIS II
800059.402	CH	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	CN	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201080061143.3	11/15/2010	ZL201080061143.3	9/14/2016	CIS II
800059.402	CY	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	CZ	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	DE	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	DK	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	EA	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201290331	11/15/2010	023183	5/31/2016	CIS II
800059.402	EE	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II



Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.402	EP	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Converted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	ES	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	FI	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	FR	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	GB	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	GR	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402/1	HK	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Abandoned	13103137.3	11/15/2010			CIS II
800059.402	HK	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	13103210.3	11/15/2010	1175656	4/6/2018	CIS II
800059.402	HR	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.402	HU	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	IE	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	IL	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	219690	11/15/2010	219690	11/30/2019	CIS II
800059.402	IN	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	1433/KOLNP/2012	11/15/2010	320893	9/19/2019	CIS II
800059.402	IS	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	IT	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	JP	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	2012-539063	11/15/2010	5988379	8/19/2016	CIS II
800059.402	KR	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10-2012-7015219	11/15/2010	10-1781233	9/18/2017	CIS II
800059.402	LT	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.402	LU	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	LV	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	MC	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	MK	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	MT	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	MX	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	MX/a/2012/005562	11/15/2010	323258	9/2/2014	CIS II
800059.402	MY	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	PI-2012002085	11/15/2010	MY-160907-A	3/31/2017	CIS II
800059.402	NL	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	NO	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.402	NZ	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	599913	11/15/2010	599913	12/2/2014	CIS II
800059.402	PH	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Pending	1-2012-500938	11/15/2010			CIS II
800059.402	PL	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	PT	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	RO	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	RS	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	RU	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201290331	11/15/2010	023183	5/31/2016	CIS II
800059.402	SE	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	SG	Spingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	201203370-0	11/15/2010	180753	11/13/2014	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.402	SI	Sphingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	SK	Sphingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	TR	Sphingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Granted	10830877.6	11/15/2010	2498611	1/10/2018	CIS II
800059.402	WO	Sphingosine 1 Phosphate Receptor Modulators and Methods of Chiral Synthesis	Converted	US2010/056757	11/15/2010			CIS II
800059.403/P1	US	Novel Heterocyclic Sphingosine 1-Phosphate Modulators	NP-Filed	61/261295	11/13/2009			CIS II
800059.403	US	Selective Heterocyclic Sphingosine 1 Phosphate Receptor Modulators	Granted	12/946828	11/15/2010	8507538	8/13/2013	CIS II
800059.403/C2	US	Selective Heterocyclic Sphingosine 1 Phosphate Receptor Modulators	Abandoned	14/563742	12/8/2014			CIS II
800059.403/C1	US	Selective Heterocyclic Sphingosine 1 Phosphate Receptor Modulators	Abandoned	13/941695	7/15/2013			CIS II
800059.403/C3	US	Selective Heterocyclic Sphingosine 1 Phosphate Receptor Modulators	Abandoned	14/975244	12/18/2015			CIS II
800059.403	AU	Selective Heterocyclic Sphingosine 1 Phosphate Receptor Modulators	Granted	2010319982	11/15/2010	2010319982	5/19/2016	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.403	BE	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	BR	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Published	BR1120120114310	11/15/2010			CIS II
800059.403	CA	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	2780641	11/15/2010	2780641	5/5/2019	CIS II
800059.403	CH	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	CN	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	201080061373.X	11/15/2010	ZL201080061373.X	4/20/2016	CIS II
800059.403/1	CN	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Abandoned	201510369450.2	11/15/2010			CIS II
800059.403	DE	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	DK	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	EA	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	201290329	11/15/2010	0025672	1/30/2017	CIS II
800059.403	EP	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Converted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	ES	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	FR	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.403	GB	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	GR	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403/1	HK	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	13103136.4	11/15/2010	1175652	4/26/2019	CIS II
800059.403	HK	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Abandoned	13103207.8	11/15/2010			CIS II
800059.403/2	HK	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Abandoned	16100725.4	11/15/2010			CIS II
800059.403	IE	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	IL	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	219692	11/15/2010	219692	9/30/2017	CIS II
800059.403	IN	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Abandoned	1430/KOLNP/2012	11/15/2010			CIS II
800059.403	IT	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	JP	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	2012-539064	11/15/2010	5922027	4/22/2016	CIS II
800059.403	KR	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10-2012-7015220	11/15/2010	10-1771755	8/21/2017	CIS II
800059.403	MX	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	MX/a/2012/005559	11/15/2010	332934	9/3/2015	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.403	MY	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	PI-2012002100	11/15/2010	MY-169497-A	4/15/2019	CIS II
800059.403	NL	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	NZ	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	599914	11/15/2010	599914	12/2/2014	CIS II
800059.403	PH	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	1-2012-500940	11/15/2010	1-2012-500940	6/20/2018	CIS II
800059.403	PT	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	RU	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	201290329	11/15/2010	025672	1/30/2017	CIS II
800059.403	SE	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	10830879.2	11/15/2010	2498609	4/18/2018	CIS II
800059.403	SG	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	201203371-8	11/15/2010	180754	12/2/2014	CIS II
800059.403	WO	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Converted	US2010/056759	11/15/2010			CIS II
800059.404/PC	US	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	14/117514	3/23/2015	9481659	11/1/2016	CIS II
800059.404/P1	US	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Expired	61/486184	5/13/2011			CIS II
800059.404	CH	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	12785231.7	5/11/2012	2706999	8/28/2019	CIS II



Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.404	DE	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	12785231.7	5/11/2012	2706999	8/28/2019	CIS II
800059.404	EP	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Converted	12785231.7	5/11/2012	2706999	8/28/2019	CIS II
800059.404	ES	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	12785231.7	5/11/2012	2706999	8/28/2019	CIS II
800059.404	FR	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	12785231.7	5/11/2012	2706999	8/28/2019	CIS II
800059.404	GB	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	12785231.7	5/11/2012	2706999	8/28/2019	CIS II
800059.404	HK	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Abandoned	14108455.5	5/11/2012			CIS II
800059.404	IT	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	12785231.7	5/11/2012	2706999	8/28/2019	CIS II
800059.404	JP	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Granted	2014-510511	5/11/2012	6129159	4/21/2017	CIS II
800059.404	WO	Selective Heterocyclic Spingosine 1 Phosphate Receptor Modulators	Converted	US2012/037609	5/11/2012			CIS II
800059.405/CI	US	Glp-1 Receptor Stabilizers and Modulators	Granted	13/936815	7/8/2013	8816121	8/26/2014	CIS II
800059.405	US	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	13/157264	6/9/2011	8501982	8/6/2013	CIS II
800059.405/P1	US	Novel GLP-1 Receptor Stabilizers and Modulators	NP-Filed	61/353174	6/9/2010			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.405/C3	US	Novel GLP-1 Receptor Stabilizers and Modulators	Abandoned	14/626719	2/19/2015			CIS II
800059.405/C2	US	Novel GLP-1 Receptor Stabilizers and Modulators	Abandoned	14/329393	7/11/2014			CIS II
800059.405/C4	US	Novel GLP-1 Receptor Stabilizers and Modulators	Abandoned	14/873563	10/2/2015			CIS II
800059.405	EP	Novel GLP-1 Receptor Stabilizers and Modulators	Abandoned	11793202.0	6/9/2011			CIS II
800059.405	JP	Novel GLP-1 Receptor Stabilizers and Modulators	Abandoned	2013-514378	6/9/2011			CIS II
800059.405	WO	Novel GLP-1 Receptor Stabilizers and Modulators	Converted	US2011/039873	6/9/2011			CIS II
800059.406/PC	US	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	14/122176	2/28/2014	9278910	3/8/2016	CIS II
800059.406/P1	US	Novel GLP-1 Receptor Stabilizers and Modulators	Expired	61/491446	5/31/2011			CIS II
800059.406/P2	US	Novel GLP-1 Receptor Stabilizers and Modulators	Expired	61/535750	9/16/2011			CIS II
800059.406/P3	US	Novel GLP-1 Receptor Stabilizers and Modulators	Expired	61/569759	12/12/2011			CIS II
800059.406/C1	US	Novel GLP-1 Receptor Stabilizers and Modulators	Abandoned	15/608740	5/30/2017			CIS II
800059.406/D1	US	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	14/997364	1/15/2016	9700543	4/11/2017	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.406	CH	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	DE	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	DK	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	EP	Novel GLP-1 Receptor Stabilizers and Modulators	Converted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	ES	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	FR	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	GB	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	HK	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	14108325.3	5/31/2012	1194919	4/13/2018	CIS II
800059.406	IE	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	JP	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	2014-513706	5/31/2012	6007417	9/23/2016	CIS II
800059.406/1	JP	Novel GLP-1 Receptor Stabilizers and Modulators	Abandoned	2016-61862	5/31/2012			CIS II
800059.406	NL	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.406	PT	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	SE	Novel GLP-1 Receptor Stabilizers and Modulators	Granted	12793320.8	5/31/2012	2713722	3/15/2017	CIS II
800059.406	WO	Novel GLP-1 Receptor Stabilizers and Modulators	Converted	US2012/040250	5/31/2012			CIS II
800059.407/C2	US	Novel GLP-1 Receptor Modulators	Abandoned	15/050315	2/22/2016			CIS II
800059.407/D1	US	GLP-1 Receptor Modulators	Granted	14/296907	6/5/2014	9187522	11/17/2015	CIS II
800059.407/P3	US	Novel GLP-1 Receptor Modulators	NP-Filed	61/734300	12/6/2012			CIS II
800059.407/P1	US	Novel GLP-1 Receptor Stabilizers and Modulators	NP-Filed	61/569754	12/12/2011			CIS II
800059.407/P2	US	Novel GLP-1 Receptor Stabilizers and Modulators	NP-Filed	61/570789	12/14/2011			CIS II
800059.407/C1	US	Novel GLP-1 Receptor Modulators	Abandoned	14/878660	10/8/2015			CIS II
800059.407	US	GLP-1 Receptor Modulators	Granted	13/712624	12/12/2012	8778923	7/15/2014	CIS II
800059.407	AU	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Granted	2012352349	12/12/2012	2012352349	11/30/2017	CIS II
800059.407	BR	Novel GLP-1 Receptor Modulators	Pending	BR1120140139253	12/12/2012			CIS II
800059.407	CA	Novel GLP-1 Receptor Modulators	Allowed	2857197	12/12/2012	2857197	11/26/2019	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.407	CN	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Abandoned	201280060896.1	12/12/2012			CIS II
800059.407	EP	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Published	12806828.5	12/12/2012			CIS II
800059.407	HK	Novel GLP-1 Receptor Modulators	Abandoned	15102640.3	12/12/2012			CIS II
800059.407/1	HK	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Published	15103363.6	12/12/2012			CIS II
800059.407	IN	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Published	4969/DELNP/2014	12/12/2012			CIS II
800059.407	JP	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Granted	2014-546193	12/12/2012	6061949	12/22/2016	CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.407	KR	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Abandoned	10-2014-7017945	12/12/2012			CIS II
800059.407	MX	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Granted	MX/a/2014/006622	12/12/2012	365923	6/20/2019	CIS II
800059.407	NZ	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Granted	626122	12/12/2012	626122	1/31/2017	CIS II
800059.407	RU	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Granted	2014128522	12/12/2012	2634896	11/8/2017	CIS II
800059.407	WO	Carboxylic Acid Derivatives Comprising Four Cycles Acting as GLP-1 Receptor Modulators for Therapy of Diseases Such as Diabetes	Converted	US2012/069289	12/12/2012			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.408/C2	US	Novel GLP-1 Receptor Modulators	Granted	15/416758	1/26/2017	10259823	4/16/2019	CIS II
800059.408/P2	US	Novel GLP-1 Receptor Modulators	NP-Filed	61/981643	4/18/2014			CIS II
800059.408	US	Novel GLP-1 Receptor Modulators	Granted	14/302260	6/11/2014	9260427	2/16/2016	CIS II
800059.408/P1	US	Novel GLP-1 Receptor Modulators	NP-Filed	61/833737	6/11/2013			CIS II
800059.408/C1	US	Novel GLP-1 Receptor Modulators	Granted	14/958513	12/3/2015	9598430	3/21/2017	CIS II
800059.408	AU	Novel GLP-1 Receptor Modulators	Granted	2014278183	6/11/2014	2014278183	1/17/2019	CIS II
800059.408	BR	Novel GLP-1 Receptor Modulators	Published	BR112015031040-0	6/11/2014			CIS II
800059.408	CA	Novel GLP-1 Receptor Modulators	Published	2913791	6/11/2014			CIS II
800059.408	CN	Novel GLP-1 Receptor Modulators	Granted	201480044849.7	6/11/2014	ZL201480044849.7	4/16/2019	CIS II
800059.408/1	CN	Novel GLP-1 Receptor Modulators	Published	201910207853.5	6/11/2014			CIS II
800059.408	EA	Novel GLP-1 Receptor Modulators	Granted	201592281	6/11/2014	030857	10/31/2018	CIS II
800059.408	EP	Novel GLP-1 Receptor Modulators	Published	14736554.8	6/11/2014			CIS II
800059.408/1	HK	Novel GLP-1 Receptor Modulators	Published	16110427.4	6/11/2014			CIS II
800059.408	HK	Novel GLP-1 Receptor Modulators	Published	16110429.2	6/11/2014			CIS II
800059.408/2	HK	Novel GLP-1 Receptor Modulators	Pending	19132974.7	6/11/2014			CIS II
800059.408	IN	Novel GLP-1 Receptor Modulators	Published	11863/DELNP/2015	6/11/2014			CIS II
800059.408	JP	Novel GLP-1 Receptor Modulators	Granted	2016-519629	6/11/2014	6573604	8/23/2019	CIS II
800059.408	KR	Novel GLP-1 Receptor Modulators	Published	10-2016-7000708	6/11/2014			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.408	MX	Novel GLP-1 Receptor Modulators	Granted	MX/a/2015/016831	6/11/2014	370666	12/19/2019	CIS II
800059.408	NZ	Novel GLP-1 Receptor Modulators	Pending	715006	6/11/2014			CIS II
800059.408	RU	Novel GLP-1 Receptor Modulators	Granted	201592281	6/11/2014	030857	10/31/2018	CIS II
800059.408	WO	Novel GLP-1 Receptor Modulators	Converted	US2014/041997	6/11/2014			CIS II
800059.409/P1	US	Novel GLP-1 Receptor Modulators	Expired	61/836950	6/19/2013			CIS II
800059.410/P1	US	Selective Sphingosine I Phosphate Receptor Modulators and Combination Therapy Therewith	NP-Filed	61898971	11/1/2013			CIS II
800059.410/PC	US	Selective Sphingosine I Phosphate Receptor Modulators and Combination Therapy Therewith	Abandoned	15/033311	1/27/2017			CIS II
800059.410	EP	Selective Sphingosine I Phosphate Receptor Modulators and Combination Therapy Therewith	Abandoned	14799940.3	10/31/2014			CIS II
800059.410	WO	Selective Sphingosine I Phosphate Receptor Modulators and Combination Therapy Therewith	Converted	US2014/063504	10/31/2014			CIS II
800059.411	US	GLP-1 Receptor Modulators	Granted	14/809020	7/24/2015	9474755	10/25/2016	CIS II
800059.411/C1	US	Novel GLP-1 Receptor Modulators	Granted	15/263637	9/13/2016	9839664	12/12/2017	CIS II



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800059.411/C3	US	Novel GLP-1 Receptor Modulators	Abandoned	15/982909	5/17/2018			CIS II
800059.411/P2	US	Novel GLP-1 Receptor Modulators	NP-Filed	62/090040	12/10/2014			CIS II
800059.411/P3	US	Novel GLP-1 Receptor Modulators	NP-Filed	62/161650	5/14/2015			CIS II
800059.411/P1	US	Novel GLP-1 Receptor Modulators	NP-Filed	62/028962	7/25/2014			CIS II
800059.411/C6	US	Novel GLP-1 Receptor Modulators	Pending	16/827515	3/23/2020			CIS II
800059.411/C2	US	Novel GLP-1 Receptor Modulators	Abandoned	15/804762	11/6/2017			CIS II
800059.411/C5	US	Novel GLP-1 Receptor Modulators	Pending	16/538505	8/12/2019			CIS II
800059.411/C4	US	Novel GLP-1 Receptor Modulators	Abandoned	16/218278	12/12/2018			CIS II
800059.411	AU	Novel GLP-1 Receptor Modulators	Allowed	2015292356	7/24/2015			CIS II
800059.411	CA	Novel GLP-1 Receptor Modulators	Published	2955836	7/24/2015			CIS II
800059.411	CH	Novel GLP-1 Receptor Modulators	Allowed	15745738.3	7/24/2015			CIS II
800059.411	CN	Novel GLP-1 Receptor Modulators	Published	201580046095.3	7/24/2015			CIS II
800059.411	DE	Novel GLP-1 Receptor Modulators	Allowed	15745738.3	7/24/2015			CIS II
800059.411	EA	Novel GLP-1 Receptor Modulators	Granted	201790254	7/24/2015	032525	6/28/2019	CIS II
800059.411	EP	Novel GLP-1 Receptor Modulators	Allowed	15745738.3	7/24/2015			CIS II
800059.411	ES	Novel GLP-1 Receptor Modulators	Allowed	15745738.3	7/24/2015			CIS II
800059.411	FR	Novel GLP-1 Receptor Modulators	Allowed	15745738.3	7/24/2015			CIS II
800059.411	GB	Novel GLP-1 Receptor Modulators	Allowed	15745738.3	7/24/2015			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.411	IL	Novel GLP-1 Receptor Modulators	Pending	249896	7/24/2015			CIS II
800059.411	IT	Novel GLP-1 Receptor Modulators	Allowed	15745738.3	7/24/2015			CIS II
800059.411	JP	Novel GLP-1 Receptor Modulators	Granted	2017-525324	7/24/2015	6556237	7/19/2019	CIS II
800059.411/1	JP	Novel GLP-1 Receptor Modulators	Published	2019-107866	7/24/2015			CIS II
800059.411	KR	Novel GLP-1 Receptor Modulators	Published	10-2017-7003172	7/24/2015			CIS II
800059.411	MX	Novel GLP-1 Receptor Modulators	Pending	MX/a/2017/000972	7/24/2015			CIS II
800059.411	NZ	Novel GLP-1 Receptor Modulators	Pending	728017	7/24/2015			CIS II
800059.411	RU	Novel GLP-1 Receptor Modulators	Granted	201790254	7/24/2015	032525	6/28/2019	CIS II
800059.411	SG	Novel GLP-1 Receptor Modulators	Granted	11201700364P	7/24/2015	11201700364P	3/10/2020	CIS II
800059.411	TH	Novel GLP-1 Receptor Modulators	Pending	1701000333	7/24/2015			CIS II
800059.411	WO	Novel GLP-1 Receptor Modulators	Converted	US2015/042114	7/24/2015			CIS II
800059.411	ZA	Novel GLP-1 Receptor Modulators	Granted	2017/00342	7/24/2015	2017/00342	12/19/2018	CIS II
800059.412/C4	US	Novel GLP-1 Receptor Modulators	Pending	16/538553	8/12/2019			CIS II
800059.412/C2	US	Novel GLP-1 Receptor Modulators	Abandoned	16/008773	6/14/2018			CIS II
800059.412/C5	US	Novel GLP-1 Receptor Modulators	Pending	16/835046	3/30/2020			CIS II
800059.412/C3	US	Novel GLP-1 Receptor Modulators	Abandoned	16/227510	12/20/2018			CIS II
800059.412/P1	US	Novel GLP-1 Receptor Modulators	NP-Filed	62/090268	12/10/2014			CIS II
800059.412/P2	US	Novel GLP-1 Receptor Modulators	NP-Filed	62/161658	5/14/2015			CIS II

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800059.412/P3	US	Novel GLP-1 Receptor Modulators	NP-Filed	62/164113	5/20/2015			CIS II
800059.412	US	GLP-1 Receptor Modulators	Granted	14/965777	12/10/2015	9795613	10/24/2017	CIS II
800059.412/C1	US	Novel GLP-1 Receptor Modulators	Abandoned	15/693274	8/31/2017			CIS II
800059.412/D1	US	Novel GLP-1 Receptor Modulators	Granted	15/711858	9/21/2017	10034886	7/31/2018	CIS II
800059.412	AU	GLP-1 Receptor Modulators	Pending	2015360364	12/10/2015			CIS II
800059.412	CA	GLP-1 Receptor Modulators	Published	2969944	12/10/2015			CIS II
800059.412	EP	GLP-1 Receptor Modulators	Published	15819971.1	12/10/2015			CIS II
800059.412	IL	GLP-1 Receptor modulators	Pending	252565	12/10/2015			CIS II
800059.412	JP	GLP-1 Receptor Modulators	Abandoned	2017-531306	12/10/2015			CIS II
800059.412	KR	GLP-1 Receptor Modulators	Published	10-2017-7018991	12/10/2015			CIS II
800059.412	MX	GLP-1 Receptor Modulators	Pending	MX/a/2017/007494	12/10/2015			CIS II
800059.412	WO	GLP-1 Receptor Modulators	Converted	US2015/065109	12/10/2015			CIS II
800059.413/P1	US	Ozanimod(RPC1063) Induction and Maintenance Treatment for Ulcerative Colitis	Expired	62/293731	2/10/2016			CIS II
800059.414/P1	US	Efficacy and Safety of the Selective Sphingosine 1-Phosphate Receptor Modulator Ozanimod in Relapsing Multiple Sclerosis	Expired	62/293728	2/10/2016			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.415/P2	US	CXCR3 Receptor Agonists	NP-Filed	62/478496	3/29/2017			CIS II
800059.415/P1	US	CXCR3 Receptor Agonists	Expired	62/383202	9/2/2016			CIS II
800059.415/PC	US	CXCR3 Receptor Agonists	Allowed	16/335641	3/21/2019			CIS II
800059.415	AU	CXCR3 Receptor Agonists	Pending	2017318674	8/31/2017			CIS II
800059.415	CA	CXCR3 Receptor Agonists	Published	3034108	8/31/2017			CIS II
800059.415	EP	CXCR3 Receptor Agonists	Published	17765033.0	8/31/2017			CIS II
800059.415	JP	CXCR3 Receptor Agonists	Published	2019-512307	8/31/2017			CIS II
800059.415	MX	CXCR3 Receptor Agonists	Pending	MX/a/2019/002166	8/31/2017			CIS II
800059.415	WO	CXCR3 Receptor Agonists	Converted	US2017/049768	8/31/2017			CIS II
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800059.416/PC	US	Dimethylaminoethanol Salt of a GLP-1 Receptor Modulator	Published	16/337298	6/17/2019			CIS II
800059.416/P1	US	Dimethylaminoethanol Salt of a GLP-1 Receptor Modulator	Expired	62/402565	9/30/2016			CIS II
800059.416	EP	Dimethylaminoethanol Salt of a GLP-1 Receptor Modulator	Published	17781347.4	9/29/2017			CIS II
800059.416	WO	Dimethylaminoethanol Salt of a GLP-1 Receptor Modulator	Converted	US2017/054298	9/29/2017			CIS II
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800059.417/PC	US	Compounds and Methods for Treating Lupus	Published	16/337292	3/27/2019			CIS II
800059.417/P1	US	Compounds and Methods for Treating Lupus	Expired	62/401762	9/29/2016			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.417	CA	Compounds and Methods for Treating Lupus	Published	3038106	9/28/2017			CIS II
800059.417	EP	Compounds and Methods for Treating Lupus	Published	17781337.5	9/28/2017			CIS II
800059.417	JP	Compounds and Methods for Treating Lupus	Published	2019-517027	9/28/2017			CIS II
800059.417	KR	Compounds and Methods for Treating Lupus	Pending	10-2019-7011411	9/28/2017			CIS II
800059.417	WO	Compounds and Methods for Treating Lupus	Converted	US2017/054053	9/28/2017			CIS II
800059.418/PC	US	Novel GLP-1 Receptor Modulators	Mailed	16/608134				CIS II
800059.418/P1	US	Novel GLP-1 Receptor Modulators	NP-Filed	62/491892	4/28/2017			CIS II
800059.418	AU	Novel GLP-1 Receptor Modulators	Pending	2018260686	4/26/2018			CIS II
800059.418	CA	Novel GLP-1 Receptor Modulators	Published	3060424	4/26/2018			CIS II
800059.418	EP	Novel GLP-1 Receptor Modulators	Published	18723347.3	4/26/2018			CIS II
800059.418	JP	Novel GLP-1 Receptor Modulators	Pending	2019-558778	4/26/2018			CIS II
800059.418	WO	Novel GLP-1 Receptor Modulators	Converted	US2018/029597	4/26/2018			CIS II
800059.419/PC	US	Sphingosine 1 Phosphate Receptor Agonists for Neuroprotection	Published	16/611451	11/6/2019			CIS II
800059.419/P1	US	Neuroprotective Agents and Methods Related Thereto	NP-Filed	62/502909	5/8/2017			CIS II
800059.419	EP	Sphingosine 1 Phosphate Receptor Agonists for Neuroprotection	Published	18726705.9	5/8/2018			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.419	WO	Spingosine 1 Phosphate Receptor Agonists for Neuroprotection	Converted	US2018/031695	5/8/2018			CIS II
800059.420/P1	US	Lower Baseline Levels of HDL Cholesterol are Associated with a Super-Responder Phenotype in Patients with Relapsing Multiple Sclerosis Treated with Ozanimod	Abandoned	62/504206	5/10/2017			CIS II
800059.421/P1	US	Ozanimod Demonstrates Preservation of Brain Volume at 1 and 2 Years in Two Phase 3 Trials of Relapsing Multiple Sclerosis	Expired	62/544467	8/11/2017			CIS II
800059.422/P1	US	Spingosine 1 Phosphate Receptor Modulators	Expired	62/648858	3/27/2018			CIS II
800059.422/P2	US	Spingosine 1 Phosphate Receptor Modulators	Expired	62/826769	3/29/2019			CIS II
800059.422	WO	Spingosine 1 Phosphate Receptor Modulators	Pending	US2020/025132	3/27/2020			CIS II
800059.423/P2	US	Spingosine 1 Phosphate Receptor Modulators	Expired	62/826778	3/29/2019			CIS II
800059.423/P1	US	Spingosine 1 Phosphate Receptor Modulators	Expired	62/648875	3/27/2018			CIS II
800059.423	WO	Spingosine 1 Phosphate Receptor Modulators	Pending	US2020/025138	3/27/2020			CIS II
800059.424/P2	US	Spingosine 1 Phosphate Receptor Modulators	Expired	62/826790	3/29/2019			CIS II
800059.424/P1	US	Spingosine 1 Phosphate Receptor Modulators	Expired	62/648878	3/27/2018			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.425/P1	US	Sphingosine 1 Phosphate Receptor Modulators	Expired	62/648889	3/27/2018			CIS II
800059.425/P2	US	Sphingosine 1 Phosphate Receptor Modulators	Expired	62/826794	3/29/2019			CIS II
800059.425	WO	Sphingosine 1 Phosphate Receptor Modulators	Pending	US2020/025141	3/27/2020			CIS II
800059.426/P2	US	Sphingosine 1 Phosphate Receptor Modulators	Expired	62/826797	3/29/2019			CIS II
800059.426/P1	US	Sphingosine 1 Phosphate Receptor Modulators	Expired	62/648894	3/27/2018			CIS II
800059.427/P2	US	Sphingosine 1 Phosphate Receptor Modulator	Expired	62/654152	4/6/2018			CIS II
800059.427/P3	US	Sphingosine 1 Phosphate Receptor Modulator	Expired	62/662102	4/24/2018			CIS II
800059.427/P1	US	Sphingosine 1 Phosphate Receptor Modulator	Expired	62/648837	4/27/2018			CIS II
800059.429/P1	US	Sphingosine 1 Phosphate Receptor Modulator	Pending	62/839495	4/26/2019			CIS II
800059.429	WO	Sphingosine 1 Phosphate Receptor Modulator	Pending	US2020/025142	3/27/2020			CIS II
800059.430/P1	US	Super-Responder Phenotype for Treatment with Sphingosine 1 Phosphate Receptor Agonist	Expired	62/690197	6/26/2018			CIS II
800059.431/P2	US	Sphingosine 1 Phosphate Receptor Modulators	Pending	63/018327	4/30/2020			CIS II
800059.431/P1	US	Sphingosine 1 Phosphate Receptor Modulators	Pending	63/001073	3/27/2020			CIS II

Seed No.	Country	Title	Status	Application No.	Filing Date	Patent No.	Issue Date	Assignee
800059.432/P2	US	Spingosine 1 Phosphate Receptor Modulators	Pending	63/018333	4/30/2020			CIS II
800059.432/P1	US	Spingosine 1 Phosphate Receptor Modulators	Pending	63/001085	3/27/2020			CIS II
800059.433/P2	US	Spingosine 1 Phosphate Receptor Modulators	Pending	63/018347	4/30/2020			CIS II
800059.433/P1	US	Spingosine 1 Phosphate Receptor Modulators	Pending	63/001090	3/27/2020			CIS II

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