

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6361883

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

**CONVEYING PARTY DATA**

Name	Execution Date
VERSEON CORPORATION	10/21/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	VERSEON INTERNATIONAL CORPORATION
<b>Street Address:</b>	8 THE GREEN
<b>Internal Address:</b>	STE A
<b>City:</b>	DOVER
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19901

**PROPERTY NUMBERS Total: 57**

Property Type	Number
Application Number:	10966341
Application Number:	10967085
Application Number:	13253035
Application Number:	10966160
Application Number:	10966041
Application Number:	15085448
Application Number:	10967011
Application Number:	11739578
Application Number:	13630201
Application Number:	14989742
Application Number:	15004789
Application Number:	15155954
Application Number:	15937475
Application Number:	14776612
Application Number:	15354756
Application Number:	15605566
Application Number:	15811220
Application Number:	16245075
Application Number:	14776641

PATENT

Property Type	Number
Application Number:	15907045
Application Number:	15512037
Application Number:	16213272
Application Number:	15056901
Application Number:	15553540
Application Number:	16696817
Application Number:	15156154
Application Number:	60511474
Application Number:	60511477
Application Number:	60511189
Application Number:	60511277
Application Number:	60795678
Application Number:	61319175
Application Number:	61530880
Application Number:	61530890
Application Number:	61540653
Application Number:	61540661
Application Number:	61789022
Application Number:	61789358
Application Number:	61862799
Application Number:	61862816
Application Number:	61899588
Application Number:	62051511
Application Number:	60511387
Application Number:	62051585
Application Number:	62126432
Application Number:	62126424
Application Number:	62697817
PCT Number:	US2004034122
PCT Number:	US2004033816
PCT Number:	US2004034058
PCT Number:	US2004034151
PCT Number:	US2004033817
PCT Number:	US2007067471
PCT Number:	US2011030585
PCT Number:	US2012057951
PCT Number:	US2014030937
PCT Number:	US2019041699

**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.*

**Email:** patentdocket@dwt.com, justincoates@dwt.com

**Correspondent Name:** DAVIS WRIGHT TREMAINE LLP

**Address Line 1:** 920 FIFTH AVENUE

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**Address Line 4:** SEATTLE, WASHINGTON 98101

<b>ATTORNEY DOCKET NUMBER:</b>	0097737
<b>NAME OF SUBMITTER:</b>	JUSTIN S. V. COATES
<b>SIGNATURE:</b>	/Justin S. V. Coates/
<b>DATE SIGNED:</b>	10/21/2020

**Total Attachments: 26**

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## ASSIGNMENT

WHEREAS, **Verseon Corporation** (hereinafter referred to as ASSIGNOR), a Delaware Corporation, having a place of business at 47071 Bayside Parkway, Fremont, CA 94538, United States of America, is the owner of the patents and patent applications set forth in Schedule A attached hereto and made a part hereof, and the inventions described or claimed in said patents and said patent applications;

WHEREAS, **Verseon International Corporation** (hereinafter referred to as ASSIGNEE), a Delaware Corporation, having a business address of 8 The Green, Ste A, Dover, DE 19901, United States of America, is desirous of acquiring the entire right, title and interest in to said inventions, said patents, said patent applications, and any and all letters patent that may be granted for said inventions in the United States and throughout the world.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, the entire right, title and interest in and to said inventions, said patents, said patent applications, and any and all letters patent which may be granted for said inventions in the United States and its territorial possessions and throughout the world, and any and all divisions, reissues, continuations and extensions thereof, together with all rights of ASSIGNOR associated therewith, including the right to file additional patent applications for said inventions directly in the name of ASSIGNEE and to claim priority rights deriving from said patents and said patent applications by virtue of international convention, treaty or otherwise. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said inventions or resulting from said patent applications to ASSIGNEE. ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of applications for letters patent on said inventions, for litigation regarding said letters patent, or for the purpose of protection title to said inventions and letters patent therefor.

**Verseon Corporation, ASSIGNOR**

By Charles G. Polvino  
Charles G. Polvino  
Secretary

Dated 10/20/2020

**CERTIFICATE OF ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of NEVADA )  
 ) ss.  
County of WASHOE )

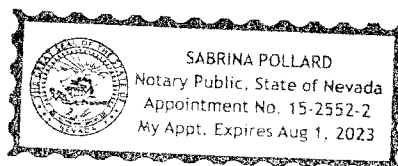
I certify that I know or have satisfactory evidence that Charles G. Polvino is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument, and acknowledged it as the Secretary of Verseon Corporation (ASSIGNOR), to be the free and voluntary act of said corporation for the uses and purposes mentioned in the instrument.

Date OCTOBER 21, 2020

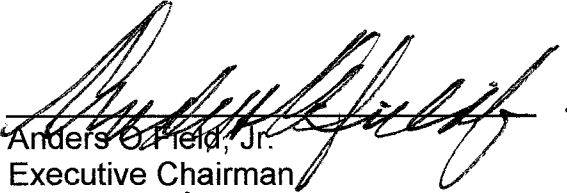
Signature of  
Notary Public SABRINA POLLARD

Printed Name SABRINA POLLARD

My appointment expires AUGUST 1, 2023



**Verseon International Corporation, ASSIGNEE**

By   
Anders O. Field, Jr.  
Executive Chairman

Dated 10/21/2020

**CERTIFICATE OF ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of NEVADA )  
 ) ss.  
County of WASHOE )

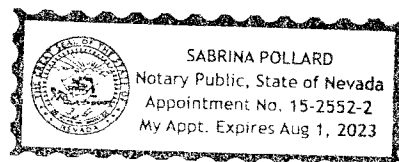
I certify that I know or have satisfactory evidence that Anders O Field, Jr. is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument, and acknowledged it as the Executive Chairman, of Verseon International Corporation (ASSIGNEE), to be the free and voluntary act of said corporation for the uses and purposes mentioned in the instrument.

Date OCTOBER 21, 2020

Signature of  
Notary Public SABRINA POLLARD

Printed Name SABRINA POLLARD

My appointment expires AUGUST 1, 2023



## SCHEDULE A

United States Patents and Applications					
Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
10/966,341	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	United States	7,751,988	7/6/2010
10/967,085	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	United States	8,036,867	10/11/2011
13/253,035	10/4/2011	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	United States		
10/966,160	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	United States	7,890,313	2/15/2011
10/966,041	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	United States	9,317,664	4/19/2016
15/085,448	3/30/2016	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	United States		
10/967,011	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	United States	6,970,790	11/29/2005
11/739,578	4/24/2007	METHOD FOR ESTIMATION OF LOCATION OF ACTIVE SITES OF BIOPOLYMERS BASED ON VIRTUAL LIBRARY SCREENING	United States		
13/630,201	9/28/2012	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	United States	9,533,967	1/3/2017
14/989,742	1/6/2016	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	United States		
15/004,789	1/22/2016	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	United States	9,963,440	5/8/2018

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
15/155,954	5/16/2016	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	United States		
15/937,475	3/27/2018	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	United States	10,653,674	5/19/2020
14/776,612	9/14/2015	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States	9,533,970	1/3/2017
15/354,756	11/17/2016	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States	9,687,479	6/27/2017
15/605,566	5/25/2017	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States	10,058,541	8/28/2018
15/811,220	11/13/2017	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States	10,251,872	4/9/2019
16/245,075	1/10/2019	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
14/776,641	9/14/2015	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	United States	9,951,025	4/24/2018
15/907,045	2/27/2018	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	United States		
15/512,037	3/16/2017	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States	10,189,810	1/29/2019
16/213,272	12/7/2018	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
15/056,901	2/29/2016	SUBSTITUTED TRIAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
15/553,540	8/24/2017	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States	10,532,995	1/14/2020
16/696,817	11/26/2019	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
15/156,154	5/16/2016	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	United States		
60/511,474	10/14/2003	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	United States		



Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
60/511,477	10/14/2003	METHOD AND APPARATUS FOR ASSESSING A LIKELIHOOD OF COMBINATION OF MOLECULES USING A BASIS EXPANSION	United States		
60/511,189	10/14/2003	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	United States		
60/511,277	10/14/2003	METHOD AND APPARATUS FOR CALCULATING SPHERICAL ELECTROSTATIC HARMONIC FUNCTIONS DEFINED ON A THREE-DIMENSIONAL VOLUME	United States		
60/795,678	4/28/2006	METHOD FOR ESTIMATION OF LOCATION OF ACTIVE SITES OF BIOPOLYMERS BASED ON VIRTUAL LIBRARY SCREENING	United States		
61/319,175	3/30/2010	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN AND/OR FACTOR XA	United States		
61/530,880	9/2/2011	SUBSTITUTED PYRIDINE-PYRAZOLE COMPOUNDS AND DERIVATIVES THEREOF, USEFUL AS SERINE PROTEASE INHIBITORS IN THE TREATMENT OF CERTAIN HUMAN DISEASES	United States		
61/530,890	9/2/2011	SUBSTITUTED ANILINE COMPOUNDS AND DERIVATIVES THEREOF, USEFUL AS SERINE PROTEASE INHIBITORS IN THE TREATMENT OF CERTAIN DISEASES	United States		
61/540,653	9/29/2011	DUAL INHIBITOR COMPOUNDS AND METHODS OF USE THEREOF	United States		
61/540,661	9/29/2011	BICYCLIC AROMATIC AZOLE COMPOUNDS AS INHIBITORS OF THROMBIN AND/OR FACTOR XA	United States		
61/789,022	3/15/2013	DIRECT THROMBIN INHIBITORS	United States		
61/789,358	3/15/2013	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF KALLIKREIN	United States		
61/862,799	8/6/2013	SUBSTITUTED PYRIDINE-PYRAZOLE COMPOUNDS AND DERIVATIVES THEREOF, USEFUL AS SERINE PROTEASE INHIBITORS IN THE TREATMENT OF CERTAIN HUMAN DISEASES	United States		

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
61/862,816	8/6/2013	SUBSTITUTED ANILINE COMPOUNDS AND DERIVATIVES THEREOF, USEFUL AS SERINE PROTEASE INHIBITORS IN THE TREATMENT OF CERTAIN DISEASES	United States		
61/899,588	11/4/2013	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	United States		
62/051,511	9/17/2014	3-PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
60/511,387	10/14/2003	HARDWARE SYSTEM FOR SPEEDING BIOLOGIC COMBINATRIC PROCESSING	United States		
62/051,585	9/17/2014	4-PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
62/126,432	2/27/2015	SUBSTITUTED TRIAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
62/126,424	2/27/2015	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	United States		
62/697,817	7/13/2018	THROMBIN INHIBITORS, FORMULATIONS, AND USES THEREOF	United States		

Applications and Patents Outside of the United States					
Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
PCT/US04/34122	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	PCT		
PCT/US04/33816	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	PCT		
PCT/US2004/034058	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	PCT		
PCT/US04/34151	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	PCT		

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
PCT/US04/33817	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	PCT		
PCT/US2007/067471	4/26/2007	METHOD FOR ESTIMATION OF LOCATION OF ACTIVE SITES OF BIOPOLYMERS BASED ON VIRTUAL LIBRARY SCREENING	PCT		
PCT/US2011/030585	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN AND/OR FACTOR XA	PCT		
PCT/US2012/057951	9/28/2012	DUAL INHIBITOR COMPOUNDS AND METHODS OF USE THEREOF	PCT		
PCT/US2014/030853	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	PCT		
PCT/US2014/000058	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	PCT		
PCT/US2014/030937	3/18/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	PCT		
PCT/US2015/050809	9/17/2015	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	PCT		
PCT/US2016/020116	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	PCT		
PCT/US2019/041699	7/12/2019	THROMBIN INHIBITORS, FORMULATIONS, AND USES THEREOF	PCT		
2016224974	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia	2016224974	1/9/2020
2020200016	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia		

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
11 2017 018092 8	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Brazil		
2977993	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Canada		
201680011748.9	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	China		
16756553.0	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Europe Patent Office		
18105646.7	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Hong Kong		
253876	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Israel		
201717029628	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	India		
2017-545289	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Japan		
10-2017-7025488	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Korea		
MX/A/2017/01100	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Mexico		
734432	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	New Zealand		
2017131562	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Russia		
11201706411Y	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Singapore		
10201907699Y	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Singapore		

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
2017/05749	2/29/2016	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Africa		
2015317522	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia		
2020202167	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia		
11 2017 004704 7	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Brazil		
2960790	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Canada		
201580050088.0	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	China		
15841577.8	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Europe		
17108879.0	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Hong Kong		
250965	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Israel		
201717012598	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	India		
2017-514899	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Japan		
2020-087253	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Japan		
10-2017-7007352	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Korea		
MX/A/2017/003624	9/17/2015	PYRAZOLYL- SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Mexico		

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
729864	9/17/2015	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	New Zealand		
2017112739	9/17/2015	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Russia		
11201701940U	9/17/2015	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	Singapore		
2017/01799	9/17/2015	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Africa		
2019/01733	9/17/2015	PYRAZOLYL-SUBSTITUTED PYRIDONE COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Africa		
2014238478	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Australia	2014238478	11/8/2018
2018250514	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Australia		
BR112015023214 0	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Brazil		
BR1220200028998	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Brazil		
2,902,431	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Canada		
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Switzerland	2970141	2/26/2020
201480027721.X	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	China	CN105209440B 201480027721.X	7/23/2019
201910623548.4	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	China		
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Germany	2970141	2/26/2020
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	European Patent Office	2970141	2/26/2020

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Spain	2970141	2/26/2020
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	France	2970141	2/26/2020
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	The United Kingdom	2970141	2/26/2020
16102083.6	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Hong Kong		
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Ireland	2970141	2/26/2020
240763	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Israel		
270655	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Israel		
7554/DELNP/2015	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	India		
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Italy	2970141	2/26/2020
2016-500154	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Japan	6479749	2/15/2019
2019-019308	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Japan		
2020-103499	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Japan		
10-2015-7027980	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	South Korea		
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Luxembourg	2970141	2/26/2020
MX/A/2015/011567	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Mexico		
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	The Netherlands	2970141	2/26/2020
711346	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	New Zealand		

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751770	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	New Zealand		
14769269.3	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Romania	2970141	2/26/2020
2015144193	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Russian Federation		
11201506757T	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Singapore		
10201707486X	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	Singapore		
2015/06440	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	South Africa		
2018/05659	3/17/2014	HALOGENOPYRAZOLES AS INHIBITORS OF THROMBIN	South Africa		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Austria	2968297	9/26/2018
2014232308	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia	2014232308	2/22/2018
2017225000	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia	2017225000	2/8/2018
2017258834	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia	2017258834	2/21/2019
2018200736	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia		
2020201668	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Australia		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Belgium	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Bulgaria	2968297	9/26/2018



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BR112015022340 0	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Brazil		
2901637	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Canada	2901637	9/24/2019
3051327	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Canada		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Switzerland	2968297	9/26/2018
201480015684.0	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	China	CN 105324117B 201480015684.0	4/9/2019
201810175722.9	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	China		
201910277094.X	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	China		
201910277180.0	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	China		
2019102771764.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	China		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Czech Republic	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Germany	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Denmark	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Estonia	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	European Patent Office	2968297	9/26/2018

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18189634.1	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	European Patent Office		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Spain	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Finland	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	France	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	The United Kingdom	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Greece	2968297	9/26/2018
16102084.5	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Hong Kong	HK1214142	9/20/2019
19100049.0	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Hong Kong		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Croatia	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Hungary	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Ireland	2968297	9/26/2018
240691	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Israel		
272474	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Israel		
7655/DELNP/2015	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	India		

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14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Iceland	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Italy	2968297	9/26/2018
2016-502572	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Japan	6388634	8/24/2018
2018-038261	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Japan	6694458	4/21/2020
2020-073902	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Japan		
10-2015-7024792	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Korea	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Lithuania	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Luxembourg	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Monaco	2968297	9/26/2018
MX/A/2015/012867	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Mexico		
MX/A/2020/004183	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Mexico		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	The Netherlands	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Norway	2968297	9/26/2018
711064	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	New Zealand	711064	10/1/2019

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749214	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	New Zealand		
751771	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	New Zealand		
751772	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	New Zealand		
751796	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	New Zealand		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Poland	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Portugal	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Romania	2968297	9/26/2018
2015144151	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Russian Federation	2678830	2/4/2019
2019101889	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Russian Federation		
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Sweden	2968297	9/26/2018
11201506449Q	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Singapore		
10201707480P	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Singapore	10201707480P	7/22/2020
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Slovenia	2968297	9/26/2018
14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Slovak Republic	2968297	9/26/2018

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14764515.4	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	Turkey	2968297	9/26/2018
2015/06295	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Africa	2015/06295	1/30/2019
2018/05658	3/17/2014	MULTISUBSTITUTED AROMATIC COMPOUNDS AS SERINE PROTEASE INHIBITORS	South Africa		
2011238616	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Australia	2011238616	11/24/2016
2016206247	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Australia	2016206247	1/17/2019
2019200013	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Australia		
BR1120120246780	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN AND/OR FACTOR XA	Brazil		
2,829,790	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Canada	2,829,790	6/5/2018
201180026731.8	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	China	CN 102918034 201180026731.8	6/3/2015
201510237933.7	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	China	CN 104940200B 201510237933.7	6/28/2019
201910477649.5	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	China		
11766507.5	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	European Patent Office	2560966	
13109348.5	3/30/2011	CONFIRMATION: MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Hong Kong		
222019	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Israel	222019	7/1/2016
243990	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Israel	243990	5/28/2020
243989	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Israel	243989	7/31/2020

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9232/DELNP/2012	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN AND/OR FACTOR XA	India		
2013-502815	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Japan	6155187	6/9/2017
2016-021856	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Japan	6411390	10/5/2018
2018-180211	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Japan	6650983	1/23/2020
10-2012-7028509	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Korea		
10-2018-7005952	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Korea	1955691	2/28/2019
10-2019-7006283	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Korea	2113960	5/15/2020
MX/a/2012/011380	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Mexico	355038	3/28/2018
MX/A/2018/003904	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Mexico		
603156	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	New Zealand	603156	2/3/2015
700332	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	New Zealand	700332	10/31/2017
718622	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	New Zealand	718622	6/26/2018
2012146194	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Russian Federation	2639876	12/25/2017
2017144535	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Russian Federation		
201207089-2	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Singapore		
10201502484S	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	Singapore		

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2012/08057	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	South Africa	2012/08057	1/27/2016
2015/07923	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	South Africa		
2017/07157	3/30/2011	MULTISUBSTITUTED AROMATIC COMPOUNDS AS INHIBITORS OF THROMBIN	South Africa	2017/07157	1/30/2019
2,542,595	10/14/2004	METHOD AND APPARATUS FOR ESTIMATION OF THE ELECTROSTATIC AFFINITY BETWEEN MOLECULES USING A BASIS EXPANSION	Canada		
04795036.5	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	Switzerland	1673466	6/6/2012
04795036.5	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	Germany	1673466	6/6/2012
04795036.5	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	European Patent Office	1673466	6/6/2012
04795036.5	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	France	1673466	6/6/2012

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04795036.5	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	The United Kingdom	1673466	6/6/2012
06112016.9	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	Hong Kong		
1671/CHENP/2006	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	India	238886	2/24/2010
7097/CHENP/2009	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONAL ESTIMATION OF ELECTROSTATIC AFFINITY USING BASIS EXPANSIONS	India		
2542343	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	Canada	2542343	5/9/2017
04795331.0	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	European Patent Office		
06112018.7	10/14/2004	CONFIRMATION: METHODS AND DEVICE FOR PARTITIONING A MOLECULE	Hong Kong		
1679/CHENP/2006	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	India	241494	7/8/2010
3131/CHENP/2010	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	India		
2006-535364	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	Japan	5032120	7/6/2012
10-2006-7009458	10/14/2004	METHOD AND DEVICE FOR PARTITIONING A MOLECULE	Korea		



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2,542,447	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	Canada		
04795245.2	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	Switzerland	1673626	10/5/2011
04795245.2	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	Germany	1673626	10/5/2011
04795245.2	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	European Patent Office	1673626	10/5/2011
04795245.2	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	France	1673626	10/5/2011
04795245.2	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	The United Kingdom	1673626	10/5/2011

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06112015.0	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	Hong Kong		
1667/CHENP/2006	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	India	239161	3/9/2010
7098/CHENP/2009	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR COMBINATION BASED ON COMPUTATIONS OF SHAPE COMPLEMENTARITY USING BASIS EXPANSIONS	India		
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Belgium	2381382	12/6/2017
2542446	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Canada	2542446	7/15/2014
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Switzerland	2381382	12/6/2017
200480035190.5	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	China	CN1886659 200480035190.5	5/26/2010
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Germany	2381382	12/6/2017

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11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Denmark	2381382	12/6/2017
04795035.7	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	European Patent Office		
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	European Patent Office	2381382	12/6/2017
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	France	2381382	12/6/2017
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	The United Kingdom	2381382	12/6/2017
06112019.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Hong Kong		
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Ireland	2381382	12/6/2017
1678/CHENP/2006	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	India	239163	3/9/2010
2006-535635	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Japan	4934428	2/24/2012
2011-277577	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Japan		

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10-2006-7009457	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Korea	10-1129126	3/14/2012
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Luxembourg	2381382	12/6/2017
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Monaco	2381382	12/6/2017
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	The Netherlands	2381382	12/6/2017
11158741.6	10/14/2004	METHOD AND APPARATUS FOR ANALYSIS OF MOLECULAR CONFIGURATIONS AND COMBINATIONS	Sweden	2381382	12/6/2017
2542456	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	Canada		
04795308.8	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	European Patent Office		
06112020.3	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	Hong Kong		
1665/CHENP/2006	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	India		
2006-535357	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	Japan		
2011-289786	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	Japan		
2014-211968	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	Japan		

Application No.	Filing Date	Application Title	Country	Patent No.	Issue Date
2016-256619	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	Japan		
10-2006-7009459	10/14/2004	LEAD MOLECULE CROSS-REACTION PREDICTION AND OPTIMIZATION SYSTEM	Korea		