

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5909004

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THE DESIGNATION OF ASSIGNEE AS A DELAWARE CORPORATION TO A DELAWARE LIMITED LIABILITY COMPANY previously recorded on Reel 049880 Frame 0001. Assignor(s) hereby confirms the CORRECTION OF DUPONT US HOLDING, LLC AS A DELAWARE CORPORATION TO DUPONT US HOLDING, LLC IS A DELAWARE LIMITED LIABILITY COMPANY.
RESUBMIT DOCUMENT ID:	505643595

CONVEYING PARTY DATA

Name	Execution Date
E. I. DU PONT DE NEMOURS AND COMPANY	06/18/2019

RECEIVING PARTY DATA

Name:	DUPONT US HOLDING, LLC
Street Address:	974 CENTRE ROAD
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19805

PROPERTY NUMBERS Total: 239

Property Type	Number
Application Number:	09627216
Application Number:	09641652
Application Number:	10138970
Application Number:	10277249
Application Number:	10405444
Application Number:	10433868
Application Number:	10453415
Application Number:	10836568
Application Number:	10840325
Application Number:	10840579
Application Number:	10920548
Application Number:	10920876
Application Number:	10964415
Application Number:	10987548
Application Number:	11024545
Application Number:	11069858

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Property Type	Number
Application Number:	11105259
Application Number:	11182680
Application Number:	11253882
Application Number:	11264737
Application Number:	11264784
Application Number:	11265761
Application Number:	11266641
Application Number:	11282497
Application Number:	11282993
Application Number:	11311097
Application Number:	11311387
Application Number:	11320206
Application Number:	11402573
Application Number:	11402756
Application Number:	11402757
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Application Number:	11448331
Application Number:	11474595
Application Number:	11485558
Application Number:	11485575
Application Number:	11494318
Application Number:	11508444
Application Number:	11588523
Application Number:	11601564
Application Number:	11635258
Application Number:	11638635
Application Number:	11714377
Application Number:	11743354
Application Number:	11748629
Application Number:	11779915
Application Number:	11782836
Application Number:	11788351
Application Number:	11801776
Application Number:	11818357
Application Number:	11843114
Application Number:	11843142
Application Number:	11843157

Property Type	Number
Application Number:	11862522
Application Number:	11862566
Application Number:	11862736
Application Number:	11943872
Application Number:	12099811
Application Number:	12102879
Application Number:	12111237
Application Number:	12172395
Application Number:	12196485
Application Number:	12196518
Application Number:	12196540
Application Number:	12196578
Application Number:	12196602
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Application Number:	12244822
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Application Number:	12338536
Application Number:	12357424
Application Number:	12401650
Application Number:	12408860
Application Number:	12410495
Application Number:	12410501
Application Number:	12433324
Application Number:	12466072
Application Number:	12469208
Application Number:	12471030
Application Number:	12479888
Application Number:	12485141
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Application Number:	12497369
Application Number:	12512429
Application Number:	12516828
Application Number:	12519582
Application Number:	12519588
Application Number:	12519614
Application Number:	12519770

Property Type	Number
Application Number:	12520173
Application Number:	12538525
Application Number:	12538555
Application Number:	12538565
Application Number:	12549439
Application Number:	12562161
Application Number:	12565419
Application Number:	12572070
Application Number:	12572086
Application Number:	12572094
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Application Number:	12619706
Application Number:	12621579
Application Number:	12621585
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Application Number:	12639050
Application Number:	12639059
Application Number:	12641642
Application Number:	12642954
Application Number:	12642974
Application Number:	12691856
Application Number:	12692665
Application Number:	12698172
Application Number:	12705683
Application Number:	12722288
Application Number:	12722298
Application Number:	12722302
Application Number:	12722309
Application Number:	12726390
Application Number:	12742282
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Application Number:	12814764
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Property Type	Number
Application Number:	12814880
Application Number:	12825523
Application Number:	12825537
Application Number:	12863648
Application Number:	12863680
Application Number:	12871976
Application Number:	12889979
Application Number:	12893469
Application Number:	12895899
Application Number:	12895904
Application Number:	12895908
Application Number:	12895921
Application Number:	12895933
Application Number:	12895946
Application Number:	12895955
Application Number:	12895967
Application Number:	12896041
Application Number:	12896061
Application Number:	12970992
Application Number:	13043834
Application Number:	13080917
Application Number:	13087800
Application Number:	13093118
Application Number:	13093134
Application Number:	13161734
Application Number:	13161749
Application Number:	13164990
Application Number:	13185572
Application Number:	13213583
Application Number:	13213602
Application Number:	13213611
Application Number:	13213642
Application Number:	13218591
Application Number:	13218673
Application Number:	13218708
Application Number:	13226610
Application Number:	13248260
Application Number:	13262837

Property Type	Number
Application Number:	13316597
Application Number:	13329612
Application Number:	13330037
Application Number:	13330261
Application Number:	13370785
Application Number:	13370971
Application Number:	13393613
Application Number:	13433343
Application Number:	13509061
Application Number:	13524255
Application Number:	13524277
Application Number:	13528201
Application Number:	13539555
Application Number:	13539696
Application Number:	13540641
Application Number:	13547583
Application Number:	13554429
Application Number:	13585411
Application Number:	13609504
Application Number:	13624188
Application Number:	13657575
Application Number:	13661857
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Application Number:	13799757
Application Number:	13799812
Application Number:	13799882
Application Number:	13799930
Application Number:	13800016
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Application Number:	13916644
Application Number:	13942759

Property Type	Number
Application Number:	13943992
Application Number:	13944292
Application Number:	13957782
Application Number:	14034857
Application Number:	14034885
Application Number:	14101375
Application Number:	14132022
Application Number:	14132051
Application Number:	14156566
Application Number:	14300029
Application Number:	14312725
Application Number:	14337593
Application Number:	14468364
Application Number:	14491810
Application Number:	14510142
Application Number:	14510148
Application Number:	14546225
Application Number:	14546250
Application Number:	14626756
Application Number:	14660229
Application Number:	14731860
Application Number:	14881563
Application Number:	15285780
Application Number:	15313321
Application Number:	15503383
Application Number:	15523741
Application Number:	15533475
Application Number:	15602460
Application Number:	15761899
Application Number:	15781012
Application Number:	15781032
Application Number:	16091175
Application Number:	16218808

CORRESPONDENCE DATA

Fax Number: (678)420-9301

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: 6784209300

Email: wilsonj@ballardspahr.com
Correspondent Name: BRIAN C. MEADOWS
Address Line 1: 999 PEACHTREE STREET
Address Line 2: SUITE 1000
Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	37893.3000
NAME OF SUBMITTER:	BRIAN C. MEADOWS
SIGNATURE:	/Brian C. Meadows/
DATE SIGNED:	01/14/2020

Total Attachments: 119

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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Application Number:	12895899

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REEL: 051502 FRAME: 0620

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Application Number:	12895933
Application Number:	12895946
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Application Number:	11320206
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Application Number:	12538525
Application Number:	12538555
Application Number:	12538565
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Application Number:	11638635
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Application Number:	11403087
Application Number:	11402573
Application Number:	11402756
Application Number:	12705683
Application Number:	11818357

PATENT

REEL: 051502 FRAME: 0622

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Application Number:	12469208
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Application Number:	11601564
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Application Number:	12212271
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PATENT

REEL: 051502 FRAME: 0623

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Application Number:	12621585
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PATENT

REEL: 051502 FRAME: 0624

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Application Number:	13393613
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Application Number:	12814880
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Application Number:	13799930
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Application Number:	09627216
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Application Number:	10433868
Application Number:	10138970
Application Number:	11105259
Application Number:	11508444
Application Number:	12771078
Application Number:	11448331
Application Number:	11485558

PATENT

REEL: 051502 FRAME: 0626

Application Number: 11485575**CORRESPONDENCE DATA**

Fax Number: (678)420-9301
Phone: 6784209300
Email: wilsonj@ballardspahr.com
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.
Correspondent Name: BRIAN C. MEADOWS
Address Line 1: 999 PEACHTREE STREET
Address Line 2: SUITE 1000
Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER: 37893.3000**NAME OF SUBMITTER:** BRIAN C. MEADOWS**Signature:** /Brian C. Meadows/**Date:** 07/26/2019**Total Attachments: 109**

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RECEIPT INFORMATION

EPAS ID: PAT5639102
Receipt Date: 07/26/2019

PATENT

PATENT ASSIGNMENT

This PATENT ASSIGNMENT (this "Assignment"), dated as of May 1, 2019 (the "Effective Date"), is by and between E. I. du Pont de Nemours and Company, a Delaware corporation ("Assignor") and DuPont US Holding, LLC, a Delaware corporation ("Assignee"), (each a "Party" and collectively, the "Parties"). limited liability company *MTF 7/29/19/duw 7/29/19*

WHEREAS, Assignor owns the issued patents and patent applications set forth on Schedule A hereto (the foregoing, including all patents issuing from any patent applications, collectively, the "Assigned Patents"); and

WHEREAS, the Parties hereto agree that the Assignor contribute, transfer, assign and convey to the Assignee all of its right, title and interest in and to the Assigned Patents and that the Assignee accept such contribution, transfer, assignment and conveyance of such Assigned Patents;

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements contained in this Assignment, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

1. Conveyance. Assignor hereby assigns, transfers and conveys to Assignee all of Assignor's right, title and interest in and to the Assigned Patents, together with any and all (a) related continuations, continuations-in-part, divisionals, reissues, reexaminations, substitutions, extensions, and foreign equivalents thereof and (b) priority rights derived from any the Assigned Patents, or the items described in the foregoing subsection (a), by virtue of the International Convention for the Protection of Industrial Property and any other rights provided under applicable treaties or conventions, including rights in any and all provisional applications, together with all rights and remedies against past, present, and future infringement, misappropriation, or other violation thereof, including the right to enforce the foregoing and to sue for and recover profits and damages for any and all infringements, misappropriations or violations thereof, whether past, present or future, to the full end of the term or terms for which said patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor without this assignment (the rights transferred under this Section 1 cumulatively, the "Assigned Rights").

2. Recordation; Further Assurances. Assignor and Assignee shall each take any and all additional actions as may be reasonably necessary to effect the transactions contemplated hereby, including Assignor's execution of individual assignment documentation prepared by Assignee at Assignee's expense for filing with the authorities of each individual country. In furtherance of the foregoing, Assignor agrees that with respect to the Assigned Patents it will enter into an assignment agreement suitable for filing with the authorities of each individual country (each an "Recordal Instrument"). The Parties agree that any Recordal Instrument shall give no greater rights or remedies in respect of the transaction completed in such Recordal Instrument than those provided for herein and Section 4 of this Assignment shall apply to any Recordal Instrument as if fully set forth therein. As between the Parties, the responsibility to file

assignments with the national patent offices of each country for the Assigned Patents shall be on the Assignee and the Assignee shall bear the cost of filing such assignments (unless, as of the Effective Date, the patent registration or application is not properly recorded in the name of the Assignor or an Affiliate of Assignor, in which case, at the request of Assignee, the Parties shall reasonably cooperate to make the necessary corrective filings and records of the documents that are available to them and shall split evenly any expenses in connection with the foregoing corrections and each Party shall provide any receipts and expense documentation to the other Party for the purposes of splitting such expenses).

3. Prosecution and Maintenance. For the avoidance of doubt but without limiting the obligations set forth in Section 2 hereof, as of and following the Effective Date, Assignor will have no responsibility to take any action to maintain any of the patents included in the Assigned Rights or further prosecute or seek issuance of any patent applications included in the Assigned Rights, including payment of fees, responses to any office action or other inquiries from agents of governmental entities or registrars, or otherwise.

4. No Claims. Except with respect to Section 2 of this Assignment, neither Party nor any of their respective affiliates or representatives will have, or be subject to, any liability or indemnification obligation under this Assignment to the other Party, any of its affiliates or representatives or any other entity or person resulting from, or in connection with, this Assignment or the transactions contemplated hereby. Except with respect to Section 2, each of the Parties hereby agrees (a) not to bring any claim or Action (as defined herein) under this Assignment against the other Party, its affiliates or representatives and (b) to cause its respective affiliates and representatives to comply with this Section 4. "Action" shall mean any claims, actions, suits, inquiries, proceedings or investigations by or before any governmental authority or arbitral tribunal.

5. Disclaimer of Representations and Warranties. ASSIGNEE (ON BEHALF OF ITSELF AND ITS AFFILIATES) UNDERSTANDS AND AGREES THAT NO PARTY TO THIS ASSIGNMENT IS REPRESENTING OR WARRANTING IN ANY WAY IN THIS ASSIGNMENT, AND HEREBY EXPRESSLY DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, AS TO THE ASSIGNED PATENTS AND THE OTHER ASSIGNED RIGHTS, AS TO ANY CONSENTS OR APPROVALS (INCLUDING APPROVALS FROM ANY GOVERNMENTAL ENTITIES) REQUIRED IN CONNECTION HERewith OR THEREWITH, AS TO THE VALUE OR FREEDOM FROM ANY SECURITY INTERESTS OF OR THE NON-INFRINGEMENT OR ABSENCE OF OTHER VIOLATION, VALIDITY OR ENFORCEABILITY OR ANY OTHER MATTER CONCERNING THE ASSIGNED PATENTS AND OTHER PATENTS AND PATENT APPLICATIONS INCLUDED IN THE ASSIGNED RIGHTS, AND ALL OF THE ASSIGNED PATENTS AND OTHER ASSIGNED RIGHTS ARE BEING TRANSFERRED ON AN "AS IS, WHERE IS" AND "WITH ALL FAULTS" BASIS.

6. Successors and Assigns. The provisions of this Assignment and the obligations and rights hereunder shall be binding upon, inure to the benefit of and be enforceable by (and against) the Parties and their respective successors and permitted transferees and assigns.

7. Counterparts. This Assignment may be executed in more than one counterpart, all of which shall be considered one and the same agreement, and shall become effective when one or more such counterparts have been signed by each of the Parties and delivered to each of the Parties.

8. Title and Headings. Titles and headings to sections herein are inserted for the convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this Assignment.

9. Governing Law. This Assignment and any dispute arising out of, in connection with or relating to this Assignment shall be governed by and construed in accordance with the Laws of the State of Delaware, without giving effect to the conflicts of laws principles thereof.

[Signature Page Follows]

IN WITNESS WHEREOF, Assignor and Assignee have duly executed this Assignment as of the date first written above.

ASSIGNOR:

E. I. du Pont de Nemours and Company

By: Marian T Flattery
Name: Marian Flattery
Title: Associate General Counsel – Intellectual Property

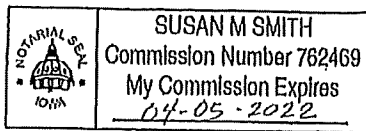
THE STATE OF IOWA

County of POLK

This instrument was executed before me on this 17 day of JUNE, 2019, by MARIAN T. FLATTERY, the ASSOCIATE GENERAL COUNSEL (title) of E. I. du Pont de Nemours and Company, a Delaware corporation, on behalf of said company.

Susan M. Smith
Notary Public in and for
The State of IOWA

SUSAN M. SMITH
Printed or Typed Name of Notary



My commission expires APRIL 5, 2022

Signature Page to Patent Assignment by and between E. I. du Pont de Nemours and Company and DuPont US Holding, LLC

Acknowledged and Accepted:

ASSIGNEE:

DuPont US Holding, LLC

By: Jessica M. Sinnott

Name: Jessica Sinnott

Title: Chief IP Counsel and Associate General Counsel

THE STATE OF DELAWARE

County of New Castle

This instrument was executed before me on this 18th day of June, 2019, by Jessica M. Sinnott, the Chief IP Counsel (title) of DuPont US Holding, LLC, a Delaware corporation, on behalf of said company, limited liability company MTF



7/29/19
JMS
7/30/19

Patricia T. Panariello

Notary Public in and for
The State of

Patricia T. Panariello

Printed or Typed Name of Notary

My commission expires November 21, 2020

Signature Page to Patent Assignment by and between E. I. du Pont de Nemours and Company and DuPont US Holding, LLC

SCHEDULE A TO PATENT ASSIGNMENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
BC1020-BR-PCT	Brazil	PCT Application	18 Aug 2000	PI0013315.9	25 Jun 2013	PI0013315.9	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-CA-DIV	Canada	National Patent Divisional	03 Mar 2011	2733616	27 Sep 2016	2733616	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-CA-PCT	Canada	PCT Application	18 Aug 2000	2380616	24 May 2011	2380616	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-CN-PCT	China	PCT Application	18 Aug 2000	00814436.2	07 Feb 2007	308093	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-DE-EPT	Germany	Euro-PCT Application	18 Aug 2000	00955772.9	09 Aug 2006	60029971.6	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Aug 2000	00955772.9	09 Aug 2006	1204755	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-FR-BPT	France	Euro-PCT Application	18 Aug 2000	00955772.9	09 Aug 2006	1204755	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
BC1020-GB-EPT	United Kingdom	Euro-PCT Application	18 Aug 2000	00955772.9	09 Aug 2006	1204755	POLNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-ID-DIV	Indonesia	National Patent Divisional	29 Dec 2006	W00200603798	17 Sep 2014	IDP000036734	IMPROVED PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH HIGH TITER
BC1020-ID-PCT	Indonesia	PCT Application	18 Aug 2000	W-2002/0374	02 Aug 2010	IDP0026301	POLNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-IN-DIV	India	National Patent Divisional	18 Nov 2005	1280/MUMNP/2005	30 Mar 2009	233399	POLNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-IN-PCT	India	PCT Application	18 Aug 2000	0040/MUM/02	06 Nov 2007	211662	POLNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-JP-PCT	Japan	PCT Application	18 Aug 2000	516920/01	08 Apr 2011	4716634	POLNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-KR-PCT	South Korea / Republic of Korea	PCT Application	18 Aug 2000	10-2002-7002027	07 Dec 2007	785997	POLNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-SG-PCT	Singapore	PCT Application	18 Aug 2000	200200655.9	30 Apr 2004	86701	POLNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
BC1020-US-DIV	United States Of America	National Patent Divisional	21 Oct 2002	10/277249	27 Jun 2006	7067300	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-US-DIV[1]	United States Of America	National Patent Divisional	16 Jan 2006	11/282497	17 Mar 2009	7504250	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-US-DIV[2]	United States Of America	National Patent Divisional	13 Feb 2006	11/282993	18 Nov 2008	7452710	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
BC1020-US-NP	United States Of America	National Patent	18 Aug 2000	09/641652	04 Feb 2003	6514733	POLYNUCLEOTIDE ENCODING A POLYPEPTIDE CATALYZING CONVERSION OF 3-HYDROXYPROPIONALDEHYDE INTO 1,3-PROPANEDIOL
CH2857-BE-EPT	Belgium	Euro-PCT Application	29 Apr 2005	05744663.5	19 Jun 2013	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-CN-PCT	China	PCT Application	29 Apr 2005	20058001379 3.X	22 Jun 2011	2005800137 93.X	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-DE-EPT	Germany	Euro-PCT Application	29 Apr 2005	05744663.5	19 Jun 2013	6020050400 58.3	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-DK-EPT	Denmark	Euro-PCT Application	29 Apr 2005	05744663.5	19 Jun 2013	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-EP-EPT	European Procedure (Patents)	Euro-PCT Application	29 Apr 2005	05744663.5	19 Jun 2013	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-GB-EPT	United Kingdom	Euro-PCT Application	29 Apr 2005	05744663.5	19 Jun 2013	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-IN-PCT	India	PCT Application	29 Apr 2005	5646/DELNP /2006			SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH2857-JP-PCT	Japan	PCT Application	29 Apr 2005	520992/07	16 Sep 2011	4825198	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-KR-PCT	South Korea / Republic of Korea	PCT Application	29 Apr 2005	10-2006-7022528	30 Oct 2013	1325836	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-NL-EPT	Netherlands	Euro-PCT Application	29 Apr 2005	05744663.5	19 Jun 2013	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-TR-EPT	Turkey	Euro-PCT Application	29 Apr 2005	05744663.5	19 Jun 2013	1743057	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-TW-NP	Taiwan	National Patent	29 Apr 2005	094113954	11 Aug 2012	I370187	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-US-DIV	United States Of America	National Patent Divisional	22 Jan 2009	12/357424	31 Aug 2010	7785709	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2857-US-NP	United States Of America	National Patent	30 Apr 2004	10/836568	31 Aug 2010	7785507	SPINNING POLY(TRIMETHYLENE TEREPHTHALATE) YARNS
CH2985-US-CIP	United States Of America	Continuation-in-Part	28 Feb 2005	11/069858	18 Dec 2007	7309482	LONG LASTING WATERPROOF SUNSCREEN COMPRISING METAL OXIDE AND PEPTIDE CONDITIONER
CH3129-AU-PCT	Australia	PCT Application	28 Sep 2007	2007261463	09 Jan 2014	2007261463	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS
CH3129-BR-PCT	Brazil	PCT Application	28 Sep 2007	PI0715244.2	01 Mar 2016	PI0715244-2	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS
CH3129-DE-EPT	Germany	Euro-PCT Application	28 Sep 2007	07796269.4	09 Jan 2013	6020070279 67.4	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS
CH3129-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Sep 2007	07796269.4	09 Jan 2013	2192840	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS
CH3129-ES-EPT	Spain	Euro-PCT Application	28 Sep 2007	07796269.4	09 Jan 2013	2192840	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3129-FR-EPT	France	Euro-PCT Application	28 Sep 2007	07796269.4	09 Jan 2013	2192840	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS
CH3129-GB-EPT	United Kingdom	Euro-PCT Application	28 Sep 2007	07796269.4	09 Jan 2013	2192840	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS
CH3129-US-CNT	United States Of America	Continuation	19 Sep 2014	14/491810	27 Mar 2018	9926576	PREVENTION OF BACTERIAL GROWTH IN FERMENTATION PROCESS
CH3305-AU-PCT	Australia	PCT Application	27 Sep 2010	2010298052	07 May 2015	2010298052	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-BR-PCT	Brazil	PCT Application	27 Sep 2010	PCT/US10/50342			STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-CA-PCT	Canada	PCT Application	27 Sep 2010	2774016	19 Sep 2017	2774016	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-CN-PCD	China	PCT Application Divisional	05 May 2016	20161029227 3.7			STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-CN-PCT	China	PCT Application	27 Sep 2010	20108004291 7.8			STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-DE-EPT	Germany	Euro-PCT Application	27 Sep 2010	10763261.4	2 Jan 2019	6020100562 51.4	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-EP-EPT	European Procedure (Patents)	Euro-PCT Application	27 Sep 2010	10763261.4	2 Jan 2019	2480088	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-FR-EPT	France	Euro-PCT Application	27 Sep 2010	10763261.4	2 Jan 2019	2480088	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-GB-EPT	United Kingdom	Euro-PCT Application	27 Sep 2010	10763261.4	2 Jan 2019	2480088	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3305-IN-PCT	India	PCT Application	27 Sep 2010	2270/DELNP/2012	21 Mar 2018	294662	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-MX-PCD	Mexico	PCT Application Divisional	05 Aug 2015	MX/a/2015/010120	07 Sep 2017	350465	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-MX-PCT	Mexico	PCT Application	27 Sep 2010	MX/A/2012/003530	07 Aug 2015	332221	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-MY-PCD	Malaysia	PCT Application Divisional	07 Mar 2016	PI 2016000431			STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-MY-PCT	Malaysia	PCT Application	27 Sep 2010	PI2012001030	31 May 2016	MY-157321-A	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-PH-PCD	Philippines	PCT Application Divisional	12 Sep 2015	1-2015-502111			STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-PH-PCT	Philippines	PCT Application	27 Sep 2010	1-2012-500603	14 Jan 2016	1-2012-500603	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-RU-PCT	Russian Federation	PCT Application	27 Sep 2010	2012116511	20 Apr 2015	2549101	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-SG-PCT	Singapore	PCT Application	27 Sep 2010	2012002059.0	24 Sep 2014	179624	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-TH-PCT	Thailand	PCT Application	27 Sep 2010	1201001247			STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-US-CNT	United States Of America	Continuation	19 Feb 2015	14/626756	29 Nov 2016	9504710	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3305-US-NP	United States Of America	National Patent	24 Sep 2010	12/889979	31 Mar 2015	8992831	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3305-ZA-PCT	South Africa	PCT Application	27 Sep 2010	2012/01832	29 May 2013	2012/01832	STABILIZED CHLORINE DIOXIDE TO PRESERVE CARBOHYDRATE FEEDSTOCKS
CH3333-AU-PCT	Australia	PCT Application	20 Dec 2011	2011349213	29 Jul 2016	2011349213	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-BE-EPT	Belgium	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-BR-PCT	Brazil	PCT Application	20 Dec 2011	BR112013014780-6			CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-CN-PCD	China	PCT Application Divisional	04 May 2016	201610289172.4			CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-CN-PCT	China	PCT Application	20 Dec 2011	201180061146.1	08 Jun 2016	201180061146.1	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3333-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-FR-EPT	France	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-HU-EPT	Hungary	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-NL-EPT	Netherlands	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-PL-EPT	Poland	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3333-SE-EPT	Sweden	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3333-SK-EPT	Slovakia	Euro-PCT Application	20 Dec 2011	11810745.7	01 Feb 2017	2655642	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND PEROXIDE COMPOUNDS
CH3338-AU-PCT	Australia	PCT Application	20 Dec 2011	2011354605	29 Jul 2016	2011354605	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3338-BE-EPT	Belgium	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3338-BR-PCT	Brazil	PCT Application	20 Dec 2011	1120130153342			USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3338-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3338-FR-EPT	France	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3338-HU-EPT	Hungary	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3338-NL-EPT	Netherlands	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3338-PL-EPT	Poland	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3338-SE-EPT	Sweden	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3338-SK-EPT	Slovakia	Euro-PCT Application	20 Dec 2011	11808795.6	01 Feb 2017	2655641	USE OF SYNERGISTIC FORMULATIONS CONTAINING STABILIZED CHLORINE DIOXIDE AND QUATERNARY AMMONIUM TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-AU-PCT	Australia	PCT Application	20 Dec 2011	2011349218	14 Jul 2016	2011349218	USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-BR-PCT	Brazil	PCT Application	20 Dec 2011	11201301533 3.4			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-CA-PCT	Canada	PCT Application	20 Dec 2011	2822441			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-CN-PCT	China	PCT Application	20 Dec 2011	20118006117 4.3	26 Oct 2016	2011800611 74.3	USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2011	11810957.8			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-HK-FPR	Hong Kong	Foreign Patent Registration	20 Dec 2011	14104143.2			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-ID-PCT	Indonesia	PCT Application	20 Dec 2011	W002013033 33			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3339-IN-PCT	India	PCT Application	20 Dec 2011	5010/DELNP/2013			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-MX-PCT	Mexico	PCT Application	20 Dec 2011	MX/A/2013/007053	25 May 2016	339403	USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-PH-PCT	Philippines	PCT Application	20 Dec 2011	1-2013-501293			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-TH-PCT	Thailand	PCT Application	20 Dec 2011	1301003435			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-US-NP	United States Of America	National Patent	19 Dec 2011	13/329612	24 Jun 2014	8759051	USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3339-VN-PCT	Vietnam	PCT Application	20 Dec 2011	1-2013-02048			USE OF A NITROGEN FREE PEROXYGEN RELEASING COMPOUND TO REDUCE GROWTH OF CONTAMINANT MICROORGANISMS IN ETHANOL FERMENTATION
CH3351-AU-PCT	Australia	PCT Application	20 Dec 2011	2011349224	29 Jul 2016	2011349224	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3351-BE-EPT	Belgium	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-BR-PCT	Brazil	PCT Application	20 Dec 2011	11201301478 14			CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-CN-PCD	China	PCT Application Divisional	04 May 2016	20161029063 5.9			CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-CN-PCT	China	PCT Application	20 Dec 2011	20118006117 3.9	15 Jun 2016	2011800611 73.9	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3351-FR-EPT	France	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-HU-EPT	Hungary	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-NL-EPT	Netherlands	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-PH-PCT	Philippines	PCT Application	20 Dec 2011	1-2013-501294	29 Jan 2018	1-2013-501294	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-PL-EPT	Poland	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CH3351-SE-EPT	Sweden	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3351-SK-EPT	Slovakia	Euro-PCT Application	20 Dec 2011	11808525.7	01 Feb 2017	2655640	CONTROL OF CONTAMINANT MICROORGANISMS IN FERMENTATION PROCESSES WITH SYNERGISTIC FORMULATIONS CONTAINING PEROXIDE COMPOUND AND QUATERNARY AMMONIUM COMPOUND
CH3538-BR-ADD	Brazil	Patent of Addition	13 Oct 2009	C10203580.4			ALCOHOLIC FERMENTATION PROCESS AND THE USE OF CHLORINE DIOXIDE IN ALCOHOLIC FERMENTATION PROCESS
CH3538-BR-NP	Brazil	National Patent	26 Aug 2002	PI0203580.4	26 Dec 2012	PI0203580.4	ALCOHOLIC FERMENTATION PROCESS AND THE USE OF CHLORINE DIOXIDE IN ALCOHOLIC FERMENTATION PROCESS
CL1861-US-DIV[10]	United States Of America	National Patent Divisional	01 Oct 2010	12/895955	08 Nov 2011	8053555	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[11]	United States Of America	National Patent Divisional	01 Oct 2010	12/895967	27 Dec 2011	8084574	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[12]	United States Of America	National Patent Divisional	01 Oct 2010	12/896041	25 Oct 2011	8044176	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[13]	United States Of America	National Patent Divisional	01 Oct 2010	12/896061	29 Nov 2011	8067534	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[4]	United States Of America	National Patent Divisional	01 Oct 2010	12/895899	18 Oct 2011	8039583	CARBON NANOTUBE BINDING PEPTIDES

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CL1861-US-DIV[5]	United States Of America	National Patent Divisional	01 Oct 2010	12/895904	18 Oct 2011	8039584	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[6]	United States Of America	National Patent Divisional	01 Oct 2010	12/895908	31 May 2011	7951911	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[7]	United States Of America	National Patent Divisional	01 Oct 2010	12/895921	22 Nov 2011	8063179	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[8]	United States Of America	National Patent Divisional	01 Oct 2010	12/895933	27 Dec 2011	8084573	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-DIV[9]	United States Of America	National Patent Divisional	01 Oct 2010	12/895946	15 Nov 2011	8058392	CARBON NANOTUBE BINDING PEPTIDES
CL1861-US-NP	United States Of America	National Patent	03 Jun 2003	10/453415	04 Dec 2007	7304128	CARBON NANOTUBE BINDING PEPTIDES
CL1970-BR-PCT	Brazil	PCT Application	20 Mar 2003	PI0308639.9			INSECT REPELLENT COMPOUND
CL1970-CA-PCT	Canada	PCT Application	20 Mar 2003	2479123	12 Feb 2013	2479123	INSECT REPELLENT COMPOUND
CL1970-CA-PCT[1]	Canada	PCT Application	18 Sep 2003	2538363	10 Jan 2012	2538363	INSECT REPELLENT COMPOUND
CL1970-CN-DIV	China	National Patent Divisional	18 Sep 2003	200810129703.9	29 Oct 2014	200810129703.9	INSECT REPELLENT COMPOUND
CL1970-CN-PCT	China	PCT Application	20 Mar 2003	03806553.3	05 Aug 2009	03806553.3	INSECT REPELLENT COMPOUND
CL1970-CN-PCT[1]	China	PCT Application	18 Sep 2003	03827095.1			INSECT REPELLENT COMPOUND
CL1970-DE-EPT	Germany	Euro-PCT Application	20 Mar 2003	03711652.2	24 Oct 2012	60342420.1	INSECT REPELLENT COMPOUND

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL1970-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Mar 2003	03711652.2	24 Oct 2012	1484967	INSECT REPELLENT COMPOUND
CL1970-ES-EPT	Spain	Euro-PCT Application	20 Mar 2003	03711652.2	24 Oct 2012	1484967	INSECT REPELLENT COMPOUND
CL1970-FR-EPT	France	Euro-PCT Application	20 Mar 2003	03711652.2	24 Oct 2012	1484967	INSECT REPELLENT COMPOUND
CL1970-GB-EPT	United Kingdom	Euro-PCT Application	20 Mar 2003	03711652.2	24 Oct 2012	1484967	INSECT REPELLENT COMPOUND
CL1970-IN-PCT	India	PCT Application	20 Mar 2003	2268/DELNP/04	19 Jan 2012	250684	INSECT REPELLENT COMPOUND
CL1970-IN-PCT[1]	India	PCT Application	18 Sep 2003	01157/DELNP/2006	09 Feb 2011	245992	INSECT REPELLENT COMPOUND
CL1970-IT-EPT	Italy	Euro-PCT Application	20 Mar 2003	03711652.2	24 Oct 2012	1484967	INSECT REPELLENT COMPOUND
CL1970-US-CNT[1]	United States Of America	Continuation	26 Jun 2006	11/474595	16 Jun 2009	7547793	INSECT REPELLENT COMPOUND
CL1970-US-DIV	United States Of America	National Patent Divisional	13 Oct 2004	10/964415	19 Jun 2007	7232844	INSECT REPELLENT COMPOUND
CL1970-US-DIV[1]	United States Of America	National Patent Divisional	08 Jun 2009	12/479888	21 Jan 2014	8633325	INSECT REPELLENT COMPOUND
CL2009-DE-EPT	Germany	Euro-PCT Application	02 Apr 2003	03719543.5	06 Jun 2007	60314240.0	PRODUCTION OF DIHYDRONEPETALACTONE BY HYDROGENATION OF NEPETALACTONE
CL2009-EP-EPT	European Procedure (Patents)	Euro-PCT Application	02 Apr 2003	03719543.5	06 Jun 2007	1490351	PRODUCTION OF DIHYDRONEPETALACTONE BY HYDROGENATION OF NEPETALACTONE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL2009-GB-EPT	United Kingdom	Euro-PCT Application	02 Apr 2003	03719543.5	06 Jun 2007	1490351	PRODUCTION OF DIHYDRONEPETALACTONE BY HYDROGENATION OF NEPETALACTONE
CL2009-US-NP	United States Of America	National Patent	02 Apr 2003	10/405444	27 Jun 2006	7067677	PRODUCTION OF DIHYDRONEPETALACTONE BY HYDROGENATION OF NEPETALACTONE
CL2233-CA-PCT	Canada	PCT Application	07 May 2004	2526935	31 Dec 2013	2526935	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-CN-PCT	China	PCT Application	07 May 2004	20048001958 0.3	24 Feb 2010	2004800195 80.3	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-DE-EPT	Germany	Euro-PCT Application	07 May 2004	04751769.3	23 Nov 2016	6020040503 66.5	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-DE-ETD	Germany	Euro-PCT Application Divisional	18 Feb 2011	11154995.2	10 Feb 2016	6020040486 25.6	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-DE-ETD[2]	Germany	Euro-PCT Application Divisional	18 Feb 2011	11155007.5	10 Feb 2016	6020040486 26.4	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-DK-EPT	Denmark	Euro-PCT Application	07 May 2004	04751769.3	23 Nov 2016	1620543	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-DK-ETD	Denmark	Euro-PCT Application Divisional	18 Feb 2011	11154995.2	10 Feb 2016	2392664	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-DK-ETD[2]	Denmark	Euro-PCT Application Divisional	18 Feb 2011	11155007.5	10 Feb 2016	2402448	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL2233-EP-EPT	European Procedure (Patents)	Euro-PCT Application	07 May 2004	04751769.3	23 Nov 2016	1620543	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	18 Feb 2011	11154995.2	10 Feb 2016	2392664	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-EP-ETD[2]	European Procedure (Patents)	Euro-PCT Application Divisional	18 Feb 2011	11155007.5	10 Feb 2016	2402448	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-FR-EPT	France	Euro-PCT Application	07 May 2004	04751769.3	23 Nov 2016	1620543	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-FR-ETD	France	Euro-PCT Application Divisional	18 Feb 2011	11154995.2	10 Feb 2016	2392664	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-FR-ETD[2]	France	Euro-PCT Application Divisional	18 Feb 2011	11155007.5	10 Feb 2016	2402448	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-GB-EPT	United Kingdom	Euro-PCT Application	07 May 2004	04751769.3	23 Nov 2016	1620543	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-GB-ETD	United Kingdom	Euro-PCT Application Divisional	18 Feb 2011	11154995.2	10 Feb 2016	2392664	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-GB-ETD[2]	United Kingdom	Euro-PCT Application Divisional	18 Feb 2011	11155007.5	10 Feb 2016	2402448	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL2233-NL-EPT	Netherlands	Euro-PCT Application	07 May 2004	04751769.3	23 Nov 2016	1620543	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-NL-ETD	Netherlands	Euro-PCT Application Divisional	18 Feb 2011	11154995.2	10 Feb 2016	2392664	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-NL-ETD[2]	Netherlands	Euro-PCT Application Divisional	18 Feb 2011	11155007.5	10 Feb 2016	2402448	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-US-DIV	United States Of America	National Patent Divisional	05 Mar 2007	11/714377	30 Jun 2009	7553628	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2233-US-NP	United States Of America	National Patent	06 May 2004	10/840579	03 Jul 2007	7238482	PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2301-US-DIV	United States Of America	National Patent Divisional	27 Jul 2006	11/494318	06 Jul 2010	7749703	A DELTA-12 DESATURASE GENE SUITABLE FOR ALTERING LEVELS OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2301-US-NP	United States Of America	National Patent	06 May 2004	10/840325	08 May 2007	7214491	A DELTA-12 DESATURASE GENE SUITABLE FOR ALTERING LEVELS OF POLYUNSATURATED FATTY ACIDS IN OLEAGINOUS YEASTS
CL2302-US-DIV[2]	United States Of America	National Patent Divisional	11 Mar 2009	12/401650	08 Mar 2011	7901928	ACYLTRANSFERASES FOR ALTERATION OF POLYUNSATURATED FATTY ACIDS AND OIL CONTENT IN OLEAGINOUS YEASTS
CL2305-US-NP	United States Of America	National Patent	18 Aug 2004	10/920548	23 Jun 2009	7550430	CATIONIC ANTIMICROBIAL PEPTIDES AND COMPOSITIONS THEREOF
CL2382-US-NP	United States Of America	National Patent	19 Dec 2005	11/311387	21 Jul 2009	7563764	NOVEL ANTIMICROBIAL PEPTIDES BASE ON TRIPEPTIDE REPEATS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL2411-US-NP	United States Of America	National Patent	12 Nov 2004	10/987548	10 Apr 2007	7202356	POWERFUL PROMOTER FOR GENE EXPRESSION IN OLEAGINOUS YEASTS
CL2504-US-DIV	United States Of America	National Patent Divisional	19 Apr 2007	11/788351	13 Jan 2009	7476537	THERMOPHILIC HYDROPHOBIN PROTEINS AND APPLICATIONS FOR SURFACE MODIFICATION
CL2504-US-NP	United States Of America	National Patent	18 Aug 2004	10/920876	10 Jul 2007	7241734	THERMOPHILIC HYDROPHOBIN PROTEINS AND APPLICATIONS FOR SURFACE MODIFICATION
CL2678-US-NP	United States Of America	National Patent	29 Dec 2004	11/024545	03 Apr 2007	7198937	A MORTIERELLA ALPINA DIACYLGLYCEROL ACYLTRANSFERASE FOR ALTERATION OF POLYUNSATURATED FATTY ACIDS AND OIL
CL2698-CA-PCT	Canada	PCT Application	03 Nov 2005	2584719	07 Jan 2014	2584719	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-CN-PCT	China	PCT Application	03 Nov 2005	20058004582.3.5	20 May 2015	200580045823.5	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-DE-ETD	Germany	Euro-PCT Application Divisional	28 Mar 2013	13161757.3	13 Apr 2016	602005049043.4	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-DK-ETD	Denmark	Euro-PCT Application Divisional	28 Mar 2013	13161757.3	13 Apr 2016	2649887	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	28 Mar 2013	13161757.3	13 Apr 2016	2649887	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-GB-ETD	United Kingdom	Euro-PCT Application Divisional	28 Mar 2013	13161757.3	13 Apr 2016	2649887	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-JP-PCT	Japan	PCT Application	03 Nov 2005	540126/07	09 Nov 2012	5129574	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA

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CL2698-NO-PCT	Norway	PCT Application	03 Nov 2005	20072575			HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-US-CIP	United States Of America	Continuation-in-Part	16 Jun 2009	12/485141	01 Feb 2011	7879591	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-US-DIV	United States Of America	National Patent Divisional	29 Sep 2010	12/893469	27 Aug 2013	8518674	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-US-DIV[2]	United States Of America	National Patent Divisional	17 Jul 2013	13/943992	26 Aug 2014	8815566	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2698-US-NP	United States Of America	National Patent	02 Nov 2005	11/265761	26 Apr 2011	7932077	HIGH EICOSAPENTAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL2717-US-DIV[1]	United States Of America	National Patent Divisional	18 Dec 2008	12/338536	01 Apr 2014	8685681	DIACYLGLYCEROL ACYLTRANSFERASES FOR ALTERATION OF POLYUNSATURATED FATTY ACIDS AND OIL CONTENT IN OLEAGINOUS ORGANISMS
CL2720-US-NP	United States Of America	National Patent	19 Dec 2005	11/311097	11 Dec 2007	7307061	BETA-PEPTOIDS WITH ANTIMICROBIAL ACTIVITY
CL2806-BR-PCT	Brazil	PCT Application	03 Nov 2005	PI0516881.3			FORMULATIONS CONTAINING INSECT REPELLENT COMPOUNDS
CL2806-CA-PCT	Canada	PCT Application	03 Nov 2005	2584354	24 Feb 2015	2584354	FORMULATIONS CONTAINING INSECT REPELLENT COMPOUNDS
CL2806-IN-PCT	India	PCT Application	03 Nov 2005	3170/DELNP/2007	19 Jun 2014	261335	FORMULATIONS CONTAINING INSECT REPELLENT COMPOUNDS
CL2806-US-DIV	United States Of America	National Patent Divisional	09 Jun 2014	14/300029	19 Apr 2016	9314021	FORMULATIONS CONTAINING INSECT REPELLENT COMPOUNDS
CL2806-US-NP	United States Of America	National Patent	03 Nov 2005	11/266641	10 Jun 2014	8748477	FORMULATIONS CONTAINING INSECT REPELLENT COMPOUNDS
CL2808-DE-EPT	Germany	Euro-PCT Application	20 Dec 2007	07863147.0	25 Jun 2014	6020070374 03.0	HYDROGENATION OF CATMINT OIL

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CL2808-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2007	07863147.0	25 Jun 2014	2125770	HYDROGENATION OF CATMINT OIL
CL2808-FR-EPT	France	Euro-PCT Application	20 Dec 2007	07863147.0	25 Jun 2014	2125770	HYDROGENATION OF CATMINT OIL
CL2808-GB-EPT	United Kingdom	Euro-PCT Application	20 Dec 2007	07863147.0	25 Jun 2014	2125770	HYDROGENATION OF CATMINT OIL
CL2808-US-CNT	United States Of America	Continuation	23 May 2017	15/602460			HYDROGENATION OF CATMINT OIL
CL2808-US-DIV	United States Of America	National Patent Divisional	24 Sep 2013	14/034857	10 Feb 2015	8952182	HYDROGENATION OF CATMINT OIL
CL2808-US-DIV[3]	United States Of America	National Patent Divisional	05 Jun 2015	14/731860	27 Jun 2017	9688652	HYDROGENATION OF CATMINT OIL
CL2808-US-PCT	United States Of America	PCT Application	20 Dec 2007	12/519582	08 Oct 2013	8552210	HYDROGENATION OF CATMINT OIL
CL2825-BR-PCT	Brazil	PCT Application	12 Apr 2006	PI0612966.8	05 Dec 2017	PI0612966-8	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-CA-PCT	Canada	PCT Application	12 Apr 2006	2603128	08 Apr 2014	2603128	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-CN-PCT	China	PCT Application	12 Apr 2006	20068001199 5.5	24 Apr 2013	2006800119 95.5	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-DE-EPT	Germany	Euro-PCT Application	12 Apr 2006	06750236.9	14 Feb 2018	6020060546 92.0	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-EP-EPT	European Procedure (Patents)	Euro-PCT Application	12 Apr 2006	06750236.9	14 Feb 2018	1869202	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-FR-EPT	France	Euro-PCT Application	12 Apr 2006	06750236.9	14 Feb 2018	1869202	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS

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CL2825-GB-EPT	United Kingdom	Euro-PCT Application	12 Apr 2006	06750236.9	14 Feb 2018	1869202	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-IN-PCT	India	PCT Application	12 Apr 2006	7963/DELNP/2007	24 Jul 2016	274405	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-JP-PCT	Japan	PCT Application	12 Apr 2006	506760/08	26 Oct 2012	5118626	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2825-US-NP	United States Of America	National Patent	12 Apr 2006	11/402757	26 Apr 2011	7932063	TREATMENT OF BIOMASS TO OBTAIN FERMENTABLE SUGARS
CL2898-US-CIP	United States Of America	Continuation-in-Part	13 Nov 2009	12/618070	04 Dec 2012	8323960	AMMONIUM TRANSPORTER PROMOTER FOR GENE EXPRESSION IN OLEAGINOUS YEAST
CL3023-CA-PCT	Canada	PCT Application	20 Dec 2007	2673047	19 Aug 2014	2673047	PRODUCTION OF DIHYDRONEPETALCTONE
CL3023-CN-PCT	China	PCT Application	20 Dec 2007	20078004723.7.3	22 Aug 2012	20078004723.7.3	PRODUCTION OF DIHYDRONEPETALCTONE
CL3023-DE-EPT	Germany	Euro-PCT Application	20 Dec 2007	07863146.2	02 Sep 2015	602007042946.3	PRODUCTION OF DIHYDRONEPETALCTONE
CL3023-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2007	07863146.2	02 Sep 2015	2114911	PRODUCTION OF DIHYDRONEPETALCTONE
CL3023-GB-EPT	United Kingdom	Euro-PCT Application	20 Dec 2007	07863146.2	02 Sep 2015	2114911	PRODUCTION OF DIHYDRONEPETALCTONE
CL3023-IN-PCT	India	PCT Application	20 Dec 2007	3905/DELNP/2009	24 Oct 2016	276514	PRODUCTION OF DIHYDRONEPETALCTONE
CL3023-US-PCT	United States Of America	PCT Application	20 Dec 2007	12/519770	01 Jul 2014	8765975	PRODUCTION OF DIHYDRONEPETALCTONE
CL3027-AU-PCT	Australia	PCT Application	04 Nov 2005	2005337476	03 Nov 2011	2005337476	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-BE-EPT	Belgium	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	1937704	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE

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CL3027-CA-PCT	Canada	PCT Application	04 Nov 2005	2622398	21 Jan 2014	2622398	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-CH-EPT	Switzerland	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	1937704	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-CN-PCT	China	PCT Application	04 Nov 2005	20058005188.0	12 Dec 2012	20058005188.0	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-DE-EPT	Germany	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	602005045480.2	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-DK-EPT	Denmark	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	1937704	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-EP-EPT	European Procedure (Patents)	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	1937704	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-FI-EPT	Finland	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	1937704	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-FR-EPT	France	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	1937704	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-JP-PCT	Japan	PCT Application	04 Nov 2005	536558/08	22 Jul 2011	4786715	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-NL-EPT	Netherlands	Euro-PCT Application	04 Nov 2005	05825560.5	17 Dec 2014	1937704	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-NO-PCT	Norway	PCT Application	04 Nov 2005	20082224	02 Oct 2017	341310	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3027-US-NP	United States Of America	National Patent	19 Oct 2005	11/253882	30 Dec 2008	7470532	A MORTIERELLA ALPINA C16/18 FATTY ACID ELONGASE
CL3028-US-NP	United States Of America	National Patent	28 Dec 2005	11/320206	23 Feb 2010	7666282	PROCESS FOR PROVIDING ETHANOL

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CL3082-BR-PCT	Brazil	PCT Application	30 Nov 2007	PI0717691.0	18 Jul 2017	PI0717691.0	METHOD OF MAKING 2-BUTANOL
CL3082-CA-PCT	Canada	PCT Application	30 Nov 2007	2667912	21 Jan 2014	2667912	METHOD OF MAKING 2-BUTANOL
CL3082-DE-EPT	Germany	Euro-PCT Application	30 Nov 2007	07862388.1	02 Apr 2014	6020070359 54.6	METHOD OF MAKING 2-BUTANOL
CL3082-EP-EPT	European Procedure (Patents)	Euro-PCT Application	30 Nov 2007	07862388.1	02 Apr 2014	2094857	METHOD OF MAKING 2-BUTANOL
CL3082-FR-EPT	France	Euro-PCT Application	30 Nov 2007	07862388.1	02 Apr 2014	2094857	METHOD OF MAKING 2-BUTANOL
CL3082-GB-EPT	United Kingdom	Euro-PCT Application	30 Nov 2007	07862388.1	02 Apr 2014	2094857	METHOD OF MAKING 2-BUTANOL
CL3082-US-PCT	United States Of America	PCT Application	30 Nov 2007	12/516828	13 Jul 2010	7754928	METHOD OF MAKING 2-BUTANOL
CL3089-CN-PCT	China	PCT Application	28 Apr 2006	20068001463 8.4	05 Mar 2014	2006800146 38.4	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-DE-EPT	Germany	Euro-PCT Application	28 Apr 2006	06751832.4	18 Feb 2009	6020060052 34.0	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Apr 2006	06751832.4	18 Feb 2009	1877566	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-FR-EPT	France	Euro-PCT Application	28 Apr 2006	06751832.4	18 Feb 2009	1877566	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-GB-EPT	United Kingdom	Euro-PCT Application	28 Apr 2006	06751832.4	18 Feb 2009	1877566	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-US-CIP	United States Of America	Continuation-in-Part	27 Oct 2006	11/588523	23 Jun 2009	7550420	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES

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CL3089-US-DIV	United States Of America	National Patent Divisional	30 Apr 2009	12/433324	24 Aug 2010	7780911	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-US-DIV[1]	United States Of America	National Patent Divisional	22 May 2009	12/471030	22 Nov 2011	8063008	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-US-DIV[2]	United States Of America	National Patent Divisional	23 Sep 2009	12/565419	24 Apr 2012	8163801	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3089-US-NP	United States Of America	National Patent	28 Apr 2006	11/413246	03 Nov 2009	7612030	ENZYMATIC PRODUCTION OF PERACIDS USING PERHYDROLYTIC ENZYMES
CL3136-CA-PCT	Canada	PCT Application	03 Nov 2005	2585178	06 Jan 2015	2585178	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-DE-EPT	Germany	Euro-PCT Application	03 Nov 2005	05851406.8	17 Jul 2013	602005040489.9	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-DE-ETD	Germany	Euro-PCT Application Divisional	24 Jan 2012	12152258.5	24 Jul 2013	602005040594.1	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-DK-EPT	Denmark	Euro-PCT Application	03 Nov 2005	05851406.8	17 Jul 2013	1807527	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-DK-ETD	Denmark	Euro-PCT Application Divisional	24 Jan 2012	12152258.5	24 Jul 2013	2458000	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-EP-EPT	European Procedure (Patents)	Euro-PCT Application	03 Nov 2005	05851406.8	17 Jul 2013	1807527	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-EP-ETD	European Procedure (Patents)	Euro-PCT Application Divisional	24 Jan 2012	12152258.5	24 Jul 2013	2458000	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA

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CL3136-GB-EPT	United Kingdom	Euro-PCT Application	03 Nov 2005	05851406.8	17 Jul 2013	1807527	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-GB-ETD	United Kingdom	Euro-PCT Application Divisional	24 Jan 2012	12152258.5	24 Jul 2013	2458000	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-JP-PCT	Japan	PCT Application	03 Nov 2005	540139/07	22 Nov 2012	5139806	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3136-US-NP	United States Of America	National Patent	01 Nov 2005	11/264784	15 Sep 2009	7588931	HIGH ARACHIDONIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3144-US-DIV	United States Of America	National Patent Divisional	06 Apr 2011	13/080917	31 Dec 2013	8617843	RECOMBINANT PEPTIDE PRODUCTION USING A CROSS-LINKABLE SOLUBILITY TAG
CL3144-US-NP	United States Of America	National Patent	14 Jul 2008	12/172395	31 May 2011	7951559	RECOMBINANT PEPTIDE PRODUCTION USING A CROSS-LINKABLE SOLUBILITY TAG
CL3160-CA-PCT	Canada	PCT Application	03 Nov 2005	2585235	16 Sep 2014	2585235	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3160-DE-EPT	Germany	Euro-PCT Application	03 Nov 2005	05818385.6	06 May 2015	6020050465 27.8	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3160-DK-EPT	Denmark	Euro-PCT Application	03 Nov 2005	05818385.6	06 May 2015	1809756	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3160-EP-EPT	European Procedure (Patents)	Euro-PCT Application	03 Nov 2005	05818385.6	06 May 2015	1809756	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3160-GB-EPT	United Kingdom	Euro-PCT Application	03 Nov 2005	05818385.6	06 May 2015	1809756	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3160-JP-PCT	Japan	PCT Application	03 Nov 2005	540127/07	07 Sep 2012	5080979	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3160-NO-PCT	Norway	PCT Application	03 Nov 2005	20072516			DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA

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CL3160-US-DIV	United States Of America	National Patent Divisional	14 May 2009	12/466072	01 Apr 2014	8685682	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3160-US-NP	United States Of America	National Patent	01 Nov 2005	11/264737	23 Jun 2009	7550286	DOCOSAHEXAENOIC ACID PRODUCING STRAINS OF YARROWIA LIPOLYTICA
CL3180-CA-PCT	Canada	PCT Application	20 Dec 2007	2672970	30 Aug 2016	2672970	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-CN-PCT	China	PCT Application	20 Dec 2007	20078004788 4.4	14 Nov 2012	2007800478 84.4	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-DE-EPT	Germany	Euro-PCT Application	20 Dec 2007	07863143.9	28 Mar 2018	6020070543 99.1	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2007	07863143.9	28 Mar 2018	2104668	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-ES-EPT	Spain	Euro-PCT Application	20 Dec 2007	07863143.9	28 Mar 2018	2104668	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-FR-EPT	France	Euro-PCT Application	20 Dec 2007	07863143.9	28 Mar 2018	2104668	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-GB-EPT	United Kingdom	Euro-PCT Application	20 Dec 2007	07863143.9	28 Mar 2018	2104668	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-IN-PCT	India	PCT Application	20 Dec 2007	3910/DELNP /2009	03 Oct 2016	276168	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-IT-EPT	Italy	Euro-PCT Application	20 Dec 2007	07863143.9	28 Mar 2018	5020180000 17346	SOLVENT ADDITION TO A DIHYDRONEPETALCTONE FORMULATION
CL3180-US-DIV	United States Of America	National Patent Divisional	24 Sep 2013	14/034885	20 Dec 2016	9521844	SOLVENT ADDITION AND REMOVAL IN THE HYDROGENATION OF CATMINT OIL
CL3180-US-PCT	United States Of America	PCT Application	20 Dec 2007	12/520173	15 Oct 2013	8558015	SOLVENT ADDITION AND REMOVAL IN THE HYDROGENATION OF CATMINT OIL

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CL3273-CA-PCT	Canada	PCT Application	20 Dec 2007	2671531	14 Jun 2016	2671531	HYDROGENATION OF CARYOPHELLENE
CL3273-US-PCT	United States Of America	PCT Application	20 Dec 2007	12/519614	23 Oct 2012	8293217	HYDROGENATION OF CARYOPHELLENE
CL3328-CA-PCT	Canada	PCT Application	10 May 2007	2648270	08 Jul 2014	2648270	FORMULATED TICK AND INSECT REPELLENT COMPOSITIONS
CL3328-CN-PCT	China	PCT Application	10 May 2007	20078001679 6.8	28 Sep 2016	2007800167 96.8	FORMULATED TICK AND INSECT REPELLENT COMPOSITIONS
CL3328-HK-FPR	Hong Kong	Foreign Patent Registrati on	12 Nov 2009	09110570.8	04 Aug 2017	1132627	FORMULATED TICK AND INSECT REPELLENT COMPOSITIONS
CL3328-IN-PCT	India	PCT Application	10 May 2007	8286/DELNP /2008	17 Jul 2018	298895	FORMULATED TICK AND INSECT REPELLENT COMPOSITIONS
CL3328-US-NP	United States Of America	National Patent	10 May 2007	11/801776	08 Jul 2014	8771718	FORMULATED TICK AND INSECT REPELLENT COMPOSITIONS
CL3340-CA-PCT	Canada	PCT Application	20 Dec 2007	2671989	09 Aug 2016	2671989	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-DE-EPT	Germany	Euro-PCT Application	20 Dec 2007	07867850.5	10 May 2017	6020070509 88.2	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Dec 2007	07867850.5	10 May 2017	2121885	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-ES-EPT	Spain	Euro-PCT Application	20 Dec 2007	07867850.5	10 May 2017	2121885	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-FR-EPT	France	Euro-PCT Application	20 Dec 2007	07867850.5	10 May 2017	2121885	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-GB-EPT	United Kingdom	Euro-PCT Application	20 Dec 2007	07867850.5	10 May 2017	2121885	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-IN-PCT	India	PCT Application	20 Dec 2007	3744/DELNP /2009	29 May 2018	297190	STEAM DISTILLATION OF CATMINT PLANTS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3340-IT-EPT	Italy	Euro-PCT Application	20 Dec 2007	07867850.5	10 May 2017	502017000085745	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-SI-EPT	Slovenia	Euro-PCT Application	20 Dec 2007	07867850.5	10 May 2017	2121885	STEAM DISTILLATION OF CATMINT PLANTS
CL3340-US-PCT	United States Of America	PCT Application	20 Dec 2007	12/519588	11 Dec 2012	8329229	STEAM DISTILLATION OF CATMINT PLANTS
CL3345-CN-PCD[2]	China	PCT Application Divisional	03 Aug 2015	20151046852.5.2			PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-CN-PCT	China	PCT Application	13 Dec 2006	200680046637.8	02 May 2012	200680046637.8	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-CN-PCT[1]	China	PCT Application	02 May 2007	200780045718.0	01 May 2013	200780045718.0	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-CN-PCT[2]	China	PCT Application	20 Jun 2008	200880125260.4	02 Sep 2015	200880125260.4	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-DE-EPT	Germany	Euro-PCT Application	13 Dec 2006	06847634.0	24 Feb 2010	602006012539.9	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-DE-ETD[1]	Germany	Euro-PCT Application Divisional	28 Mar 2012	12161803.7	02 Sep 2015	602007042970.6	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Dec 2006	06847634.0	24 Feb 2010	1960529	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-EP-ETD[1]	European Procedure (Patents)	Euro-PCT Application Divisional	28 Mar 2012	12161803.7	02 Sep 2015	2471941	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-FR-EPT	France	Euro-PCT Application	13 Dec 2006	06847634.0	24 Feb 2010	1960529	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3345-FR-ETD[1]	France	Euro-PCT Application Divisional	28 Mar 2012	12161803.7	02 Sep 2015	2471941	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-GB-EPT	United Kingdom	Euro-PCT Application	13 Dec 2006	06847634.0	24 Feb 2010	1960529	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-GB-ETD[1]	United Kingdom	Euro-PCT Application Divisional	28 Mar 2012	12161803.7	02 Sep 2015	2471941	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-IN-PCT[1]	India	PCT Application	02 May 2007	4150/DELNP/2009	02 May 2017	284005	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-IN-PCT[2]	India	PCT Application	20 Jun 2008	3960/DELNP/2010	12 Mar 2018	294115	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-JP-PCT[1]	Japan	PCT Application	02 May 2007	541293/09	24 May 2013	5276600	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-JP-PCT[2]	Japan	PCT Application	20 Jun 2008	2010-534983	09 Jan 2015	5677091	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-CIP	United States Of America	Continuation-in-Part	02 May 2007	11/743354	31 May 2011	7951566	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-CIP[1]	United States Of America	Continuation-in-Part	21 Nov 2007	11/943872	27 Aug 2013	8518675	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV	United States Of America	National Patent Divisional	02 Jul 2009	12/497348	14 Feb 2012	8114908	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[1]	United States Of America	National Patent Divisional	02 Jul 2009	12/497369	25 Sep 2012	8273563	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[10]	United States Of America	National Patent Divisional	11 Mar 2010	12/722288	01 May 2012	8168676	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3345-US-DIV[11]	United States Of America	National Patent Divisional	15 Apr 2011	13/087800	11 Dec 2012	8329441	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[3]	United States Of America	National Patent Divisional	10 Aug 2009	12/538525	16 Oct 2012	8288136	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[4]	United States Of America	National Patent Divisional	10 Aug 2009	12/538555	09 Nov 2010	7829315	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[5]	United States Of America	National Patent Divisional	10 Aug 2009	12/538565	05 Oct 2010	7807425	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[6]	United States Of America	National Patent Divisional	22 Jan 2010	12/691856	31 May 2011	7951567	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[7]	United States Of America	National Patent Divisional	11 Mar 2010	12/722309	05 Feb 2013	8367728	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[8]	United States Of America	National Patent Divisional	11 Mar 2010	12/722302	23 Oct 2012	8293792	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-DIV[9]	United States Of America	National Patent Divisional	11 Mar 2010	12/722298	15 May 2012	8178581	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3345-US-NP	United States Of America	National Patent	12 Dec 2006	11/638635	21 Jun 2011	7964378	PRODUCTION OF PERACIDS USING AN ENZYMES HAVING PERHYDROLYSIS ACTIVITY
CL3425-CN-PCT	China	PCT Application	28 Sep 2007	20078003453.6.3	29 Aug 2012	200780034536.3	IMPROVED ETHANOL PRODUCTION IN FERMENTATION OF MIXED SUGARS CONTAINING XYLOSE
CL3425-DE-EPT	Germany	Euro-PCT Application	28 Sep 2007	07867169.0	15 May 2013	602007030515.2	IMPROVED ETHANOL PRODUCTION IN FERMENTATION OF MIXED SUGARS CONTAINING XYLOSE
CL3425-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Sep 2007	07867169.0	15 May 2013	2066779	IMPROVED ETHANOL PRODUCTION IN FERMENTATION OF MIXED SUGARS CONTAINING XYLOSE

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3425-FR-EPT	France	Euro-PCT Application	28 Sep 2007	PCT/US07/20946	15 May 2013	2066779	IMPROVED ETHANOL PRODUCTION IN FERMENTATION OF MIXED SUGARS CONTAINING XYLOSE
CL3425-IT-EPT	Italy	Euro-PCT Application	28 Sep 2007	PCT/US07/20946	15 May 2013	2066779	IMPROVED ETHANOL PRODUCTION IN FERMENTATION OF MIXED SUGARS CONTAINING XYLOSE
CL3425-US-NP	United States Of America	National Patent	27 Sep 2007	11/862522	08 Dec 2009	7629156	IMPROVED ETHANOL PRODUCTION IN FERMENTATION OF MIXED SUGARS CONTAINING XYLOSE
CL3435-BR-PCT	Brazil	PCT Application	12 Apr 2006	PI0612944.7	28 Nov 2017	PI0612944-7	TREATMENT OF BIOMASS TO OBTAIN A TARGET CHEMICAL
CL3435-CA-PCT	Canada	PCT Application	12 Apr 2006	2604964	16 Dec 2014	2604964	TREATMENT OF BIOMASS TO OBTAIN A TARGET CHEMICAL
CL3435-CN-PCT	China	PCT Application	12 Apr 2006	20068001212 4.5	01 Jan 2014	2006800121 24.5	TREATMENT OF BIOMASS TO OBTAIN A TARGET CHEMICAL
CL3435-IN-PCT	India	PCT Application	12 Apr 2006	7956/DELNP /2007	28 Feb 2017	280870	TREATMENT OF BIOMASS TO OBTAIN A TARGET CHEMICAL
CL3435-JP-PCT	Japan	PCT Application	12 Apr 2006	506725/08	07 Dec 2012	5149784	TREATMENT OF BIOMASS TO OBTAIN A TARGET CHEMICAL
CL3435-US-NP	United States Of America	National Patent	12 Apr 2006	11/403087	24 Aug 2010	7781191	TREATMENT OF BIOMASS TO OBTAIN A TARGET CHEMICAL
CL3436-CN-PCT	China	PCT Application	12 Apr 2006	20068001098 3.0	09 May 2012	2006800109 83.0	TREATMENT OF BIOMASS TO OBTAIN ETHANOL
CL3436-IN-PCT	India	PCT Application	12 Apr 2006	7955/DELNP /2007	10 Jan 2016	270693	TREATMENT OF BIOMASS TO OBTAIN ETHANOL
CL3436-JP-PCT	Japan	PCT Application	12 Apr 2006	506759/08	07 Dec 2012	5149785	TREATMENT OF BIOMASS TO OBTAIN ETHANOL
CL3436-US-NP	United States Of America	National Patent	12 Apr 2006	11/402573	16 Aug 2011	7998713	TREATMENT OF BIOMASS TO OBTAIN ETHANOL

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3438-BR-PCT	Brazil	PCT Application	12 Apr 2006	PI0612939.0	02 May 2018	PI0612939-0	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-CA-PCT	Canada	PCT Application	12 Apr 2006	2604100	02 Apr 2013	2604100	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-CN-PCT	China	PCT Application	12 Apr 2006	200680011184.5	24 Apr 2013	200680011184.5	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-DE-EPT	Germany	Euro-PCT Application	12 Apr 2006	06750234.4	27 Dec 2017	602006054421.9	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-EP-EPT	European Procedure (Patents)	Euro-PCT Application	12 Apr 2006	06750234.4	27 Dec 2017	1869201	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-FR-EPT	France	Euro-PCT Application	12 Apr 2006	06750234.4	27 Dec 2017	1869201	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-GB-EPT	United Kingdom	Euro-PCT Application	12 Apr 2006	06750234.4	27 Dec 2017	1869201	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-IN-PCD	India	PCT Application Divisional	21 Aug 2012	7298/DELNP/2012			INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-IN-PCT	India	PCT Application	12 Apr 2006	7954/DELNP/2007	10 Feb 2014	258815	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3438-JP-PCT	Japan	PCT Application	12 Apr 2006	506758/08	11 Sep 2015	5804666	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3438-US-NP	United States Of America	National Patent	12 Apr 2006	11/402756	22 Mar 2011	7910338	INTEGRATION OF ALTERNATIVE FEEDSTREAMS IN BIOMASS TREATMENT AND UTILIZATION
CL3447-US-DIV	United States Of America	National Patent Divisional	15 Feb 2010	12/705683	20 Aug 2013	8512979	SYSTEM AND PROCESS FOR BIOMASS TREATMENT
CL3470-BR-PCT	Brazil	PCT Application	15 Jun 2007	PI0711995.0	29 Aug 2017	PI0711995.0	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3470-DE-EPT	Germany	Euro-PCT Application	15 Jun 2007	07796212.4	13 Mar 2013	602007029075.9	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3470-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Jun 2007	07796212.4	13 Mar 2013	2029758	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3470-ES-EPT	Spain	Euro-PCT Application	15 Jun 2007	07796212.4	13 Mar 2013	2029758	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3470-FR-EPT	France	Euro-PCT Application	15 Jun 2007	07796212.4	13 Mar 2013	2029758	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3470-GB-EPT	United Kingdom	Euro-PCT Application	15 Jun 2007	07796212.4	13 Mar 2013	2029758	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3470-IT-EPT	Italy	Euro-PCT Application	15 Jun 2007	07796212.4	13 Mar 2013	2029758	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3470-US-NP	United States Of America	National Patent	13 Jun 2007	11/818357	10 Mar 2015	8975047	PROCESS FOR MAKING ISOOCETENES FROM 1-BUTANOL
CL3486-BE-EPT	Belgium	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-CH-EPT	Switzerland	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3486-DE-EPT	Germany	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	6020070207 21.5	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-DK-EPT	Denmark	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-EP-EPT	European Procedure (Patents)	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-FI-EPT	Finland	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-FR-EPT	France	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-NL-EPT	Netherlands	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-SE-EPT	Sweden	Euro-PCT Application	16 May 2007	07794950.1	15 Feb 2012	2021478	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3486-US-NP	United States Of America	National Patent	15 May 2007	11/748629	16 Mar 2010	7678560	DELTA-5 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-AU-PCT	Australia	PCT Application	05 Dec 2007	2007332918	23 May 2013	2007332918	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-BE-EPT	Belgium	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	2087106	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3495-CA-PCT	Canada	PCT Application	05 Dec 2007	2669217	14 Jul 2015	2669217	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-CH-EPT	Switzerland	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	2087106	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-CN-PCT	China	PCT Application	05 Dec 2007	20078004523.7	17 Jul 2013	20078004523.7	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-DE-EPT	Germany	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	602007040528.9	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-DK-EPT	Denmark	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	2087106	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-EP-EPT	European Procedure (Patents)	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	2087106	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-FI-EPT	Finland	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	2087106	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3495-FR-EPT	France	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	2087106	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-JP-PCT	Japan	PCT Application	05 Dec 2007	540294/09	03 Jul 2015	5769374	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-NL-EPT	Netherlands	Euro-PCT Application	05 Dec 2007	07862593.6	04 Mar 2015	2087106	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-US-DIV	United States Of America	National Patent Divisional	18 Mar 2010	12/726390	27 Sep 2011	8026089	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3495-US-NP	United States Of America	National Patent	07 Dec 2006	11/635258	04 May 2010	7709239	MUTANT DELTA-8 DESATURASE GENES ENGINEERED BY TARGETED MUTAGENESIS AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-AU-PCT	Australia	PCT Application	19 Jul 2007	2007314481	14 Mar 2013	2007314481	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-BE-EPT	Belgium	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	2087105	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-CA-PCT	Canada	PCT Application	19 Jul 2007	2663807	01 May 2018	2663807	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-CH-EPT	Switzerland	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	2087105	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3548-CN-PCT	China	PCT Application	19 Jul 2007	200780039420.9	04 Jul 2012	200780039420.9	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-DE-EPT	Germany	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	602007040399.5	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-DK-EPT	Denmark	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	2087105	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-EP-EPT	European Procedure (Patents)	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	2087105	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-FI-EPT	Finland	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	2087105	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-FR-EPT	France	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	2087105	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-JP-PCT	Japan	PCT Application	19 Jul 2007	534568/09	08 Feb 2013	5193216	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-NL-EPT	Netherlands	Euro-PCT Application	19 Jul 2007	07836170.6	25 Feb 2015	2087105	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-US-DIV	United States Of America	National Patent Divisional	20 May 2009	12/469208	14 Aug 2012	8241884	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3548-US-NP	United States Of America	National Patent	19 Jul 2007	11/779915	07 Jul 2009	7556949	DELTA 17 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-AU-PCT	Australia	PCT Application	16 Nov 2006	2006316610	27 Sep 2012	2006316610	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-BE-EPT	Belgium	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	1951866	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3600-CA-PCT	Canada	PCT Application	16 Nov 2006	2624661	30 Jun 2015	2624661	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-CH-EPT	Switzerland	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	1951866	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-CN-PCT	China	PCT Application	16 Nov 2006	20068005155 0.X	14 Nov 2012	2006800515 50.X	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-DE-EPT	Germany	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	6020060425 32.5	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-DK-EPT	Denmark	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	1951866	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-EP-EPT	European Procedure (Patents)	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	1951866	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-FI-EPT	Finland	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	1951866	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-FR-EPT	France	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	1951866	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-JP-PCT	Japan	PCT Application	16 Nov 2006	542346/08	02 Nov 2012	5123861	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-NL-EPT	Netherlands	Euro-PCT Application	16 Nov 2006	06837764.7	30 Jul 2014	1951866	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-NO-PCT	Norway	PCT Application	16 Nov 2006	20082466			DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3600-US-DIV	United States Of America	National Patent Divisional	17 Nov 2009	12/619706	01 Nov 2011	8048653	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3600-US-NP	United States Of America	National Patent	16 Nov 2006	11/601564	12 Jan 2010	7645604	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3604-BR-PCT	Brazil	PCT Application	28 Sep 2007	PI0715282.5			XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3604-CN-PCT	China	PCT Application	28 Sep 2007	20078003602 6.X	20 Feb 2013	2007800360 26.X	XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3604-DE-EPT	Germany	Euro-PCT Application	28 Sep 2007	07874067.7	16 Sep 2015	6020070432 03.0	XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3604-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Sep 2007	07874067.7	16 Sep 2015	2066784	XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3604-FR-EPT	France	Euro-PCT Application	28 Sep 2007	07874067.7	16 Sep 2015	2066784	XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3604-IT-EPT	Italy	Euro-PCT Application	28 Sep 2007	07874067.7	16 Sep 2015	5020150000 81856	XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3604-US-NP	United States Of America	National Patent	27 Sep 2007	11/862566	22 Jun 2010	7741119	XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3609-US-NP	United States Of America	National Patent	17 Sep 2008	12/212271	16 Aug 2011	7998702	MUTANT ARABINOSE PROMOTER FOR INDUCIBLE GENE EXPRESSION
CL3617-AU-PCT	Australia	PCT Application	23 Jul 2008	2008279186	19 Dec 2013	2008279186	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-CN-PCT	China	PCT Application	23 Jul 2008	20088002537 6.0	02 Jan 2013	2008800253 76.0	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-DE-EPT	Germany	Euro-PCT Application	23 Jul 2008	08782229.2	02 Oct 2013	6020080279 13.8	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3617-EP-EPT	European Procedure (Patents)	Euro-PCT Application	23 Jul 2008	08782229.2	02 Oct 2013	2173877	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-ES-EPT	Spain	Euro-PCT Application	23 Jul 2008	08782229.2	02 Oct 2013	2173877	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-FR-EPT	France	Euro-PCT Application	23 Jul 2008	08782229.2	02 Oct 2013	2173877	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-GB-EPT	United Kingdom	Euro-PCT Application	23 Jul 2008	08782229.2	02 Oct 2013	2173877	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-IN-PCT	India	PCT Application	23 Jul 2008	0439/DELNP/2010	28 Mar 2017	281922	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-IT-EPT	Italy	Euro-PCT Application	23 Jul 2008	08782229.2	02 Oct 2013	2173877	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-JP-PCT	Japan	PCT Application	23 Jul 2008	518341/10	10 Jan 2014	5453261	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-US-DIV	United States Of America	National Patent Divisional	25 Jan 2010	12/692665	14 Sep 2010	7794979	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3617-US-NP	United States Of America	National Patent	25 Jul 2007	11/782836	16 Mar 2010	7678883	SOLUBILITY TAGS FOR THE EXPRESSION AND PURIFICATION OF BIOACTIVE PEPTIDES
CL3662-US-NP	United States Of America	National Patent	27 Sep 2007	11/862736	22 Jun 2010	7741084	ETHANOL PRODUCTION USING XYLITOL SYNTHESIS MUTANT OF XYLOSE-UTILIZING ZYMOMONAS
CL3798-AU-PCT	Australia	PCT Application	01 Apr 2009	2009231744	21 Aug 2014	2009231744	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-BE-EPT	Belgium	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3798-CA-PCT	Canada	PCT Application	01 Apr 2009	2717348	31 Oct 2017	2717348	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-CH-EPT	Switzerland	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-CN-PCT	China	PCT Application	01 Apr 2009	20098011059 5.3	13 Mar 2013	2009801105 95.3	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-DE-EPT	Germany	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	6020090238 93.0	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-DK-EPT	Denmark	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-FI-EPT	Finland	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-FR-EPT	France	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-JP-PCT	Japan	PCT Application	01 Apr 2009	503123/11	04 Jul 2014	5572620	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-NL-EPT	Netherlands	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-NO-EPT	Norway	Euro-PCT Application	01 Apr 2009	09726573.0	07 May 2014	2259674	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3798-US-NP	United States Of America	National Patent	23 Mar 2009	12/408860	21 Feb 2012	8119784	DELTA-4 DESATURASE AND ITS USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3803-US-NP	United States Of America	National Patent	22 Aug 2008	12/196485	20 Apr 2010	7700810	CATALYTIC CONVERSION OF ETHANOL TO A 1-BUTANOL-CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE CATALYST
CL3804-US-NP	United States Of America	National Patent	22 Aug 2008	12/196518	27 Apr 2010	7705192	CATALYTIC CONVERSION OF ETHANOL AND METHANOL TO AN ISOBUTANOL-CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE CATALYST
CL3847-BE-EPT	Belgium	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-CA-PCT	Canada	PCT Application	03 Oct 2008	2701130			PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-CH-EPT	Switzerland	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-CL-NP	Chile	National Patent	07 Apr 2010	2010/00329	15 Jul 2015	51257	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-CN-PCT	China	PCT Application	03 Oct 2008	20088011891 7.4	02 Mar 2016	2008801189 17.4	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3847-DE-EPT	Germany	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	602008032149.5	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-DK-EPT	Denmark	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-EP-EPT	European Procedure (Patents)	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-FI-EPT	Finland	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-FR-EPT	France	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-JP-PCT	Japan	PCT Application	03 Oct 2008	528150/10	05 Dec 2014	5658034	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-NL-EPT	Netherlands	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3847-NO-EPT	Norway	Euro-PCT Application	03 Oct 2008	08835263.8	07 May 2014	2198005	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-US-CNT	United States Of America	Continuation	28 Feb 2013	13/780532	02 Sep 2014	8822185	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3847-US-DIV	United States Of America	National Patent Divisional	22 Jul 2014	14/337593	11 Apr 2017	9617571	PEROXISOME BIOGENESIS FACTOR PROTEIN (PEX) DISRUPTIONS FOR ALTERING POLYUNSATURATED FATTY ACIDS AND TOTAL LIPID CONTENT IN OLEAGINOUS EUKARYOTIC ORGANISMS
CL3873-BR-PCT	Brazil	PCT Application	18 Aug 2008	PI0815284.5			PROCESS FOR CONCENTRATED BIOMASS SACCHARIFICATION
CL3873-CN-PCT	China	PCT Application	18 Aug 2008	20088010334 6.7	20 Aug 2014	2008801033 46.7	PROCESS FOR CONCENTRATED BIOMASS SACCHARIFICATION
CL3873-US-NP	United States Of America	National Patent	22 Aug 2007	11/843114	05 Oct 2010	7807419	PROCESS FOR CONCENTRATED BIOMASS SACCHARIFICATION
CL3922-CH-EPT	Switzerland	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	2140006	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3922-DE-EPT	Germany	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	6020080420 25.6	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3922-DK-EPT	Denmark	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	2140006	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3922-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	2140006	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3922-FI-EPT	Finland	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	2140006	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3922-FR-EPT	France	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	2140006	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3922-NL-EPT	Netherlands	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	2140006	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3922-NO-EPT	Norway	Euro-PCT Application	01 May 2008	08747327.8	13 Jan 2016	2140006	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3922-US-NP	United States Of America	National Patent	29 Apr 2008	12/111237	17 May 2011	7943365	DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-AU-PCT	Australia	PCT Application	16 Apr 2008	2008240029	15 Aug 2013	2008240029	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-BE-EPT	Belgium	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-CA-PCT	Canada	PCT Application	16 Apr 2008	2682962			DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-CH-EPT	Switzerland	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-CN-PCT	China	PCT Application	16 Apr 2008	20088002039 5.4	29 May 2013	2008800203 95.4	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-DE-EPT	Germany	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	6020080267 69.5	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-DK-EPT	Denmark	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3923-EP-EPT	European Procedure (Patents)	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-FI-EPT	Finland	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-FR-EPT	France	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-JP-PCT	Japan	PCT Application	16 Apr 2008	504199/10	20 Mar 2014	5501954	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-NL-EPT	Netherlands	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-NO-EPT	Norway	Euro-PCT Application	16 Apr 2008	08745904.6	14 Aug 2013	2137304	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-US-DIV	United States Of America	National Patent Divisional	29 Jun 2010	12/825523	30 Oct 2012	8298797	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3923-US-NP	United States Of America	National Patent	15 Apr 2008	12/102879	14 Sep 2010	7794701	DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-AU-PCT	Australia	PCT Application	10 Apr 2008	2008236595	26 Sep 2013	2008236595	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-BE-EPT	Belgium	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-CA-PCT	Canada	PCT Application	10 Apr 2008	2683497	11 Aug 2015	2683497	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-CH-EPT	Switzerland	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3924-CN-PCT	China	PCT Application	10 Apr 2008	200880018763.1	19 Jun 2013	200880018763.1	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-DE-EPT	Germany	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-DK-EPT	Denmark	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-FI-EPT	Finland	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-FR-EPT	France	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-JP-PCT	Japan	PCT Application	10 Apr 2008	503068/10	20 Mar 2014	5501952	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-NL-EPT	Netherlands	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-NO-EPT	Norway	Euro-PCT Application	10 Apr 2008	08742773.8	27 Feb 2013	2132317	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-US-DIV	United States Of America	National Patent Divisional	29 Jun 2010	12/825537	27 Nov 2012	8318463	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3924-US-NP	United States Of America	National Patent	09 Apr 2008	12/099811	07 Sep 2010	7790156	DELTA-8 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL3941-US-CNT	United States Of America	Continuation	20 Jul 2012	13/554429	27 May 2014	8735108	OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3941-US-NP	United States Of America	National Patent	03 Oct 2008	12/244822	04 Dec 2012	8323935	OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL3950-BR-PCT	Brazil	PCT Application	18 Aug 2008	PI0815263.2			BIOMASS TREATMENT METHOD
CL3950-CN-PCT	China	PCT Application	18 Aug 2008	200880103987.2	28 Nov 2012	200880103987.2	BIOMASS TREATMENT METHOD
CL3950-DE-EPT	Germany	Euro-PCT Application	18 Aug 2008	08836743.8	19 Nov 2014	602008035510.1	BIOMASS TREATMENT METHOD
CL3950-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Aug 2008	08836743.8	19 Nov 2014	2190883	BIOMASS TREATMENT METHOD
CL3950-FR-EPT	France	Euro-PCT Application	18 Aug 2008	08836743.8	19 Nov 2014	2190883	BIOMASS TREATMENT METHOD
CL3950-IT-EPT	Italy	Euro-PCT Application	18 Aug 2008	08836743.8	19 Nov 2014	502015000005906	BIOMASS TREATMENT METHOD
CL3950-US-NP	United States Of America	National Patent	22 Aug 2007	11/843142	26 Oct 2010	7819976	BIOMASS TREATMENT METHOD
CL3953-US-NP	United States Of America	National Patent	22 Aug 2008	12/196540	20 Apr 2010	7700811	CATALYTIC CONVERSION OF ETHANOL TO A 1-BUTANOL-CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE/METAL CARBONATE
CL3954-US-NP	United States Of America	National Patent	22 Aug 2008	12/196578	20 Apr 2010	7700812	CATALYTIC CONVERSION OF ETHANOL TO A 1-BUTANOL CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE CONTAINING THE ANION OF ETHYLENEDIAMINETETRAACETIC ACID
CL3996-BR-PCT	Brazil	PCT Application	18 Aug 2008	PI0815262.4	16 Jan 2018	PI0815262.4	IMPROVED BIOMASS PRETREATMENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL3996-CN-PCD	China	PCT Application Divisional	04 May 2015	20151022138 7.8			IMPROVED BIOMASS PRETREATMENT
CL3996-DE-EPT	Germany	Euro-PCT Application	18 Aug 2008	08836116.7	14 May 2014	6020080323 16.1	IMPROVED BIOMASS PRETREATMENT
CL3996-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Aug 2008	08836116.7	14 May 2014	2179085	IMPROVED BIOMASS PRETREATMENT
CL3996-FR-EPT	France	Euro-PCT Application	18 Aug 2008	08836116.7	14 May 2014	2179085	IMPROVED BIOMASS PRETREATMENT
CL3996-IT-EPT	Italy	Euro-PCT Application	18 Aug 2008	08836116.7	14 May 2014	2179085	IMPROVED BIOMASS PRETREATMENT
CL3996-US-NP	United States Of America	National Patent	22 Aug 2007	11/843157	21 May 2013	8445236	IMPROVED BIOMASS PRETREATMENT
CL4021-US-NP	United States Of America	National Patent	22 Aug 2008	12/196602	29 Jun 2010	7745672	CATALYTIC CONVERSION OF ETHANOL AND METHANOL TO AN ISOBUTANOL-CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE/METAL CARBONATE
CL4022-US-NP	United States Of America	National Patent	22 Aug 2008	12/196651	20 Apr 2010	7700813	CATALYTIC CONVERSION OF ETHANOL AND METHANOL TO AN ISOBUTANOL-CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE CONTAINING THE ANION OF ETHYLENEDIAMINETETRAACETIC ACID
CL4033-CA-PCT	Canada	PCT Application	30 Jul 2009	2732510	13 Mar 2018	2732510	DELTA 6 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4033-CN-PCT	China	PCT Application	30 Jul 2009	20098013922 5.2	25 Sep 2013	2009801392 25.2	DELTA 6 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4033-US-NP	United States Of America	National Patent	30 Jul 2009	12/512429	03 Apr 2012	8148121	DELTA 6 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4039-US-NP	United States Of America	National Patent	30 Oct 2008	12/261166	28 Sep 2010	7803623	ZYMOMONAS WITH IMPROVED ETHANOL PRODUCTION IN MEDIUM CONTAINING CONCENTRATED SUGARS AND ACETATE
CL4041-US-NP	United States Of America	National Patent	30 Oct 2008	12/261160	01 Mar 2011	7897396	ZYMOMONAS WITH IMPROVED ETHANOL PRODUCTION IN MEDIUM CONTAINING CONCENTRATED SUGARS AND ACETATE
CL4085-BR-PCT	Brazil	PCT Application	13 Nov 2008	PI0817390.7			PROCESS FOR MAKING A COMPOSITION COMPRISING AT LEAST TWO DIFFERENT DIALKYL ETHERS
CL4085-US-PCT	United States Of America	PCT Application	13 Nov 2008	12/742282	19 Mar 2013	8398728	PROCESS FOR MAKING A COMPOSITION COMPRISING AT LEAST TWO DIFFERENT DIALKYL ETHERS
CL4099-AU-PCT	Australia	PCT Application	18 Sep 2009	2009293160	06 Mar 2014	2009293160	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-BR-PCT	Brazil	PCT Application	18 Sep 2009	PI0913714.9			MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-CA-PCT	Canada	PCT Application	18 Sep 2009	2735379			MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-CL-PCT	Chile	PCT Application	18 Sep 2009	560-2011	12 Aug 2015	51396	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4099-CN-PCT	China	PCT Application	18 Sep 2009	200980136806.0	09 Jul 2014	200980136806.0	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-DE-EPT	Germany	Euro-PCT Application	18 Sep 2009	09815230.9	30 Mar 2016	602009037397.8	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-DK-EPT	Denmark	Euro-PCT Application	18 Sep 2009	09815230.9	30 Mar 2016	2324119	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Sep 2009	09815230.9	30 Mar 2016	2324119	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-GB-EPT	United Kingdom	Euro-PCT Application	18 Sep 2009	09815230.9	30 Mar 2016	2324119	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-JP-PCT	Japan	PCT Application	18 Sep 2009	527976/11	19 Jun 2015	5762291	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-NO-EPT	Norway	Euro-PCT Application	18 Sep 2009	09815230.9	30 Mar 2016	2324119	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-US-DIV	United States Of America	National Patent Divisional	14 Aug 2012	13/585411	05 Feb 2013	8367383	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4099-US-DIV[2]	United States Of America	National Patent Divisional	08 Jan 2013	13/736475	24 Dec 2013	8614075	MUTANT DELTA-5 DESATURASES MUTATED IN THE HEME-BINDING MOTIF (HPGG)
CL4099-US-NP	United States Of America	National Patent	18 Sep 2009	12/562161	18 Sep 2012	8268598	MUTANT DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

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CL4110-US-PCT	United States Of America	PCT Application	28 Jan 2009	12/863648	06 Dec 2011	8071822	CATALYTIC CONVERSION OF ETHANOL AND HYDROGEN TO A 1-BUTANOL-CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE CONTAINING THE ANION OF ETHYLENEDIAMINETETRAACETIC ACID
CL4116-DE-EPT	Germany	Euro-PCT Application	20 Nov 2009	09760058.9	26 Dec 2018	602009056407.2	PROCESS FOR PRODUCING A CONCENTRATED SUGAR SOLUTION BY ENZYMATIC SACCHARIFICATION OF POLYSACCHARIDE ENRICHED BIOMASS
CL4116-EP-EPT	European Procedure (Patents)	Euro-PCT Application	20 Nov 2009	09760058.9	26 Dec 2018	2347001	PROCESS FOR PRODUCING A CONCENTRATED SUGAR SOLUTION BY ENZYMATIC SACCHARIFICATION OF POLYSACCHARIDE ENRICHED BIOMASS
CL4116-FR-EPT	France	Euro-PCT Application	20 Nov 2009	09760058.9	26 Dec 2018	2347001	PROCESS FOR PRODUCING A CONCENTRATED SUGAR SOLUTION BY ENZYMATIC SACCHARIFICATION OF POLYSACCHARIDE ENRICHED BIOMASS
CL4116-US-NP	United States Of America	National Patent	19 Nov 2009	12/621579	03 Sep 2013	8524474	PROCESS FOR PRODUCING A CONCENTRATED SUGAR SOLUTION BY ENZYMATIC SACCHARIFICATION OF POLYSACCHARIDE ENRICHED BIOMASS
CL4119-US-NP	United States Of America	National Patent	19 Nov 2009	12/621585	12 Feb 2013	8372609	PROCESS FOR PRODUCING A SUGAR SOLUTION BY COMBINED CHEMICAL AND ENZYMATIC SACCHARIFICATION OF POLYSACCHARIDE ENRICHED BIOMASS
CL4153-US-NP	United States Of America	National Patent	02 Feb 2010	12/698172	09 Jul 2013	8481678	PEPTIDE-BASED TOOTH WHITENING REAGENTS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4176-US-PCT	United States Of America	PCT Application	28 Jan 2009	12/863680	06 Dec 2011	8071823	CATALYTIC CONVERSION OF ETHANOL AND HYDROGEN TO A 1-BUTANOL-CONTAINING REACTION PRODUCT USING A THERMALLY DECOMPOSED HYDROTALCITE/METAL CARBONATE
CL4183-CN-PCT	China	PCT Application	28 Jun 2011	20118003167 7.6	03 Feb 2016	2011800316 77.6	IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS HAVING INCREASED RIBOSE-5-PHOSPHATE ACTIVITY
CL4183-DE-EPT	Germany	Euro-PCT Application	28 Jun 2011	11736225.1	17 Jun 2015	6020110172 04.2	IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS HAVING INCREASED RIBOSE-5-PHOSPHATE ACTIVITY
CL4183-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Jun 2011	11736225.1	17 Jun 2015	2588606	IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS HAVING INCREASED RIBOSE-5-PHOSPHATE ACTIVITY
CL4183-FR-EPT	France	Euro-PCT Application	28 Jun 2011	11736225.1	17 Jun 2015	2588606	IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS HAVING INCREASED RIBOSE-5-PHOSPHATE ACTIVITY
CL4183-IT-EPT	Italy	Euro-PCT Application	28 Jun 2011	11736225.1	17 Jun 2015	5020150000 50386	IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS HAVING INCREASED RIBOSE-5-PHOSPHATE ACTIVITY
CL4183-US-NP	United States Of America	National Patent	16 Jun 2011	13/161734	25 Mar 2014	8679822	IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS
CL4205-DE-EPT	Germany	Euro-PCT Application	01 Oct 2009	09793246.1	04 Mar 2015	6020090298 28.3	ENZYMATIC PERACID PRODUCTION USING A COSOLVENT
CL4205-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Oct 2009	09793246.1	04 Mar 2015	2342324	ENZYMATIC PERACID PRODUCTION USING A COSOLVENT
CL4205-FR-EPT	France	Euro-PCT Application	01 Oct 2009	09793246.1	04 Mar 2015	2342324	ENZYMATIC PERACID PRODUCTION USING A COSOLVENT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4205-GB-EPT	United Kingdom	Euro-PCT Application	01 Oct 2009	09793246.1	04 Mar 2015	2342324	ENZYMATIC PERACID PRODUCTION USING A COSOLVENT
CL4205-JP-PCT	Japan	PCT Application	01 Oct 2009	530233/11	05 Dec 2014	5656845	ENZYMATIC PERACID PRODUCTION USING A COSOLVENT
CL4205-US-DIV	United States Of America	National Patent Divisional	19 Dec 2011	13/330037	06 Nov 2012	8304218	ENZYMATIC PERACID PRODUCTION USING A COSOLVENT
CL4228-US-NP	United States Of America	National Patent	19 Nov 2009	12/621591	06 Nov 2012	8304535	SUGAR PRODUCTION BY DECRYSTALLIZATION AND HYDROLYSIS OF POLYSACCHARIDE ENRICHED BIOMASS
CL4233-US-NP	United States Of America	National Patent	21 Dec 2009	12/642954	27 Nov 2012	8318989	PROCESS FOR PRODUCING GUERBET ALCOHOLS USING WATER TOLERANT BASIC CATALYSTS
CL4234-US-NP	United States Of America	National Patent	21 Dec 2009	12/642974	05 Oct 2010	7807857	LANTHANUM-PROMOTED SUPPORTED METAL CATALYSTS AND PROCESS FOR PRODUCING GUERBET ALCOHOLS USING SAME
CL4236-BR-PCT	Brazil	PCT Application	25 Mar 2009	PI0906241.6			HIGH EXPRESSION ZYMOMONAS PROMOTERS
CL4236-CN-PCT	China	PCT Application	25 Mar 2009	20098011063 6.9	01 May 2013	2009801106 36.9	HIGH EXPRESSION ZYMOMONAS PROMOTERS
CL4236-DE-EPT	Germany	Euro-PCT Application	25 Mar 2009	09725976.6	22 Mar 2017	6020090449 17.6	HIGH EXPRESSION ZYMOMONAS PROMOTERS
CL4236-EP-EPT	European Procedure (Patents)	Euro-PCT Application	25 Mar 2009	09725976.6	22 Mar 2017	2271755	HIGH EXPRESSION ZYMOMONAS PROMOTERS
CL4236-FR-EPT	France	Euro-PCT Application	25 Mar 2009	09725976.6	22 Mar 2017	2271755	HIGH EXPRESSION ZYMOMONAS PROMOTERS
CL4236-IT-EPT	Italy	Euro-PCT Application	25 Mar 2009	09725976.6	22 Mar 2017	5020170000 64129	HIGH EXPRESSION ZYMOMONAS PROMOTERS

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CL4236-US-NP	United States Of America	National Patent	25 Mar 2009	12/410495	02 Aug 2011	7989206	HIGH EXPRESSION ZYMOMONAS PROMOTERS
CL4237-US-NP	United States Of America	National Patent	25 Mar 2009	12/410501	16 Aug 2011	7998722	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION
CL4276-BR-PCT	Brazil	PCT Application	16 Dec 2009	PI0916498.7			ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4276-DE-EPT	Germany	Euro-PCT Application	16 Dec 2009	09775059.0	15 Mar 2017	6020090447 91.2	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4276-EP-EPT	European Procedure (Patents)	Euro-PCT Application	16 Dec 2009	09775059.0	15 Mar 2017	2358885	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4276-US-DIV	United States Of America	National Patent Divisional	02 Jul 2012	13/539555	05 Mar 2013	8389253	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4276-US-NP	United States Of America	National Patent	16 Dec 2009	12/639033	14 Aug 2012	8241880	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4277-US-NP	United States Of America	National Patent	31 Aug 2010	12/871976	19 Jan 2016	9238792	COMPARTMENTALIZED SIMULTANEOUS SACCHARIFICATION AND FERMENTATION OF BIOMASS
CL4316-AU-PCT	Australia	PCT Application	28 Aug 2009	2009285590	21 May 2015	2009285590	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-BE-EPT	Belgium	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-BR-PCT	Brazil	PCT Application	28 Aug 2009	PI0913138.8			MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-CH-EPT	Switzerland	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS

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CL4316-CN-PCT	China	PCT Application	28 Aug 2009	20098014309 2.6	26 Nov 2014	2009801430 92.6	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-DE-EPT	Germany	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	6020090360 83.3	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-DK-EPT	Denmark	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-EP-EPT	European Procedure (Patents)	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-FI-EPT	Finland	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-FR-EPT	France	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-GB-EPT	United Kingdom	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-JP-PCT	Japan	PCT Application	28 Aug 2009	2011-525234	05 Dec 2014	5656836	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-NL-EPT	Netherlands	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-NO-EPT	Norway	Euro-PCT Application	28 Aug 2009	09810662.8	27 Jan 2016	2324120	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS
CL4316-US-NP	United States Of America	National Patent	28 Aug 2009	12/549439	07 May 2013	8435758	MANIPULATION OF SNF1 KINASE FOR ALTERED OIL CONTENT IN OLEAGINOUS ORGANISMS

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CL4320-US-NP	United States Of America	National Patent	20 Jun 2012	13/528201	23 Jun 2015	9062312	FUSION PEPTIDES COMPRISING MULTI-FUNCTIONAL PEPTIDIC SOLUBILITY TAGS FOR EFFICIENT PRODUCTION, PROCESSING AND SURFACE APPLICATIONS
CL4323-AU-PCT	Australia	PCT Application	15 Dec 2009	2009335903	29 Jul 2016	2009335903	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-BR-PCT	Brazil	PCT Application	15 Dec 2009	PI0917722.1			REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-CA-PCT	Canada	PCT Application	15 Dec 2009	2744716	23 May 2017	2744716	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-CH-EPT	Switzerland	Euro-PCT Application	15 Dec 2009	09771642.7	02 Aug 2017	2358862	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-CL-PCT	Chile	PCT Application	15 Dec 2009	1462-2011	02 Feb 2018	55895	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-CN-PCT	China	PCT Application	15 Dec 2009	20098015114 6.3	09 Jul 2014	2009801511 46.3	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-DE-EPT	Germany	Euro-PCT Application	15 Dec 2009	09771642.7	02 Aug 2017	6020090475 28.2	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-EP-EPT	European Procedure (Patents)	Euro-PCT Application	15 Dec 2009	09771642.7	02 Aug 2017	2358862	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-FR-EPT	France	Euro-PCT Application	15 Dec 2009	09771642.7	02 Aug 2017	2358862	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-GB-EPT	United Kingdom	Euro-PCT Application	15 Dec 2009	09771642.7	02 Aug 2017	2358862	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-JP-PCT	Japan	PCT Application	15 Dec 2009	542327/11	26 Sep 2014	5620402	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS
CL4323-NL-EPT	Netherlands	Euro-PCT Application	15 Dec 2009	09771642.7	02 Aug 2017	2358862	REDUCING BYPRODUCTION OF MALONATES IN A FERMENTATION PROCESS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4323-US-NP	United States Of America	National Patent	15 Dec 2009	12/637877	03 Nov 2015	9175318	REDUCING BYPRODUCT OF MALONATES IN A FERMENTATION PROCESS
CL4342-US-NP	United States Of America	National Patent	16 Dec 2009	12/639045	06 Nov 2012	8304213	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4361-AU-PCT	Australia	PCT Application	14 Jun 2010	2010260227	14 May 2015	2010260227	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-BR-PCT	Brazil	PCT Application	14 Jun 2010	PI1009690.6			IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-CA-PCT	Canada	PCT Application	14 Jun 2010	2763424	12 Jun 2018	2763424	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-CH-EPT	Switzerland	Euro-PCT Application	14 Jun 2010	10790004.5	27 Dec 2017	2443248	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-CN-PCT	China	PCT Application	14 Jun 2010	20108002682 5.0	29 Jul 2015	2010800268 25.0	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4361-DK-EPT	Denmark	Euro-PCT Application	14 Jun 2010	10790004.5	27 Dec 2017	2443248	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-EP-EPT	European Procedure (Patents)	Euro-PCT Application	14 Jun 2010	10790004.5	27 Dec 2017	2443248	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-FI-EPT	Finland	Euro-PCT Application	14 Jun 2010	10790004.5	27 Dec 2017	2443248	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-GB-EPT	United Kingdom	Euro-PCT Application	14 Jun 2010	10790004.5	27 Dec 2017	2443248	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-JP-PCT	Japan	PCT Application	14 Jun 2010	516171/12	13 May 2016	5931721	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-NL-EPT	Netherlands	Euro-PCT Application	14 Jun 2010	10790004.5	27 Dec 2017	2443248	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4361-NO-EPT	Norway	Euro-PCT Application	14 Jun 2010	10790004.5	27 Dec 2017	2443248	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-US-DIV	United States Of America	National Patent Divisional	02 Aug 2013	13/957782	12 May 2015	9029122	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4361-US-NP	United States Of America	National Patent	14 Jun 2010	12/814764	03 Sep 2013	8524485	IMPROVEMENT OF LONG CHAIN OMEGA-3 AND OMEGA-6 POLYUNSATURATED FATTY ACID BIOSYNTHESIS BY EXPRESSION OF ACYL-COA LYSOPHOSPHOLIPID ACYLTRANSFERASES
CL4364-BR-PCT	Brazil	PCT Application	21 Dec 2009	PI0918395.7	08 May 2018	PI0918395.7	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS FOR THE PRODUCTION OF ETHANOL
CL4364-CN-PCT	China	PCT Application	21 Dec 2009	20098015182.0.8	14 May 2014	200980151820.8	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS FOR THE PRODUCTION OF ETHANOL
CL4364-DE-EPT	Germany	Euro-PCT Application	21 Dec 2009	09803958.9	27 Jul 2016	602009040030.4	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS FOR THE PRODUCTION OF ETHANOL
CL4364-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Dec 2009	09803958.9	27 Jul 2016	2376623	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS FOR THE PRODUCTION OF ETHANOL
CL4364-FR-EPT	France	Euro-PCT Application	21 Dec 2009	09803958.9	27 Jul 2016	2376623	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS FOR THE PRODUCTION OF ETHANOL

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CL4364-IT-EPT	Italy	Euro-PCT Application	21 Dec 2009	09803958.9	27 Jul 2016	502016000102175	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS FOR THE PRODUCTION OF ETHANOL
CL4364-MY-PCT	Malaysia	PCT Application	21 Dec 2009	PI2011002124	13 Nov 2015	MY-155604-A	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS FOR THE PRODUCTION OF ETHANOL
CL4364-US-DIV	United States Of America	National Patent Divisional	03 Jul 2012	13/540641	18 Jun 2013	8465961	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS
CL4364-US-NP	United States Of America	National Patent	18 Dec 2009	12/641642	21 Aug 2012	8247208	ZYMOMONAS WITH IMPROVED XYLOSE UTILIZATION IN STRESS CONDITIONS
CL4371-US-NP	United States Of America	National Patent	16 Dec 2009	12/639050	10 Jul 2012	8216809	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4386-CN-PCD	China	PCT Application Divisional	28 Jul 2016	20161060796.2.2			STABILIZATION OF PERHYDROLASES
CL4386-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Oct 2009	09793244.6			STABILIZATION OF PERHYDROLASES
CL4386-IN-PCT	India	PCT Application	01 Oct 2009	1848/DELNP/2011			STABILIZATION OF PERHYDROLASES
CL4386-JP-PCT	Japan	PCT Application	01 Oct 2009	530231/11	17 Jul 2015	5777516	STABILIZATION OF PERHYDROLASES
CL4386-US-DIV	United States Of America	National Patent Divisional	12 Jul 2012	13/547583	21 May 2013	8445247	STABILIZATION OF PERHYDROLASES
CL4386-US-NP	United States Of America	National Patent	01 Oct 2009	12/572070	28 Aug 2012	8252562	STABILIZATION OF PERHYDROLASES
CL4387-BR-PCD	Brazil	PCT Application Divisional	18 Jun 2018	1220180124598			STABILIZATION OF PERHYDROLASES

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CL4387-BR-PCT	Brazil	PCT Application	01 Oct 2009	PI0913702.5	09 Oct 2018	PI0913702-5	STABILIZATION OF PERHYDROLASES
CL4387-CN-PCT	China	PCT Application	01 Oct 2009	200980148509.8	20 Nov 2013	200980148509.8	STABILIZATION OF PERHYDROLASES
CL4387-DE-EPT	Germany	Euro-PCT Application	01 Oct 2009	09793245.3	05 Apr 2017	602009045260.6	STABILIZATION OF PERHYDROLASES
CL4387-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Oct 2009	09793245.3	05 Apr 2017	2342349	STABILIZATION OF PERHYDROLASES
CL4387-FR-EPT	France	Euro-PCT Application	01 Oct 2009	09793245.3	05 Apr 2017	2342349	STABILIZATION OF PERHYDROLASES
CL4387-GB-EPT	United Kingdom	Euro-PCT Application	01 Oct 2009	09793245.3	05 Apr 2017	2342349	STABILIZATION OF PERHYDROLASES
CL4387-IN-PCT	India	PCT Application	01 Oct 2009	1847/DELNP/2011			STABILIZATION OF PERHYDROLASES
CL4387-JP-PCT	Japan	PCT Application	01 Oct 2009	530232/11	17 Jul 2015	5777517	STABILIZATION OF PERHYDROLASES
CL4387-US-DIV	United States Of America	National Patent Divisional	19 Aug 2011	13/213583	05 Feb 2013	8367597	STABILIZATION OF PERHYDROLASES
CL4387-US-DIV[1]	United States Of America	National Patent Divisional	19 Aug 2011	13/213602	09 Oct 2012	8283142	STABILIZATION OF PERHYDROLASES
CL4387-US-DIV[2]	United States Of America	National Patent Divisional	19 Aug 2011	13/213611	03 Apr 2012	8148316	STABILIZATION OF PERHYDROLASES
CL4387-US-DIV[3]	United States Of America	National Patent Divisional	19 Aug 2011	13/213642	03 Apr 2012	8148314	STABILIZATION OF PERHYDROLASES
CL4387-US-NP	United States Of America	National Patent	01 Oct 2009	12/572086	04 Oct 2011	8030038	STABILIZATION OF PERHYDROLASES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4387-ZA-PCT	South Africa	PCT Application	01 Oct 2009	2011/01650	25 Jul 2012	2011/01650	STABILIZATION OF PERHYDROLASES
CL4392-AU-PCT	Australia	PCT Application	01 Oct 2009	2009298420	18 Aug 2016	2009298420	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-BR-PCT	Brazil	PCT Application	01 Oct 2009	PI0913701.7	05 Jun 2018	PI0913701.7	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-CA-PCT	Canada	PCT Application	01 Oct 2009	2736907	05 Jun 2018	2736907	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-CH-EPT	Switzerland	Euro-PCT Application	01 Oct 2009	09793243.8	14 Dec 2016	2342325	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-CN-PCT	China	PCT Application	01 Oct 2009	20098014805 3.5	25 Nov 2015	2009801480 53.5	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-DE-EPT	Germany	Euro-PCT Application	01 Oct 2009	09793243.8	14 Dec 2016	6020090431 10.2	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Oct 2009	09793243.8	14 Dec 2016	2342325	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-FR-EPT	France	Euro-PCT Application	01 Oct 2009	PCT/US09/5 9230	14 Dec 2016	2342325	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-GB-EPT	United Kingdom	Euro-PCT Application	01 Oct 2009	09793243.8	14 Dec 2016	2342325	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-ID-PCT	Indonesia	PCT Application	01 Oct 2009	W002011010 61			IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-IN-PCT	India	PCT Application	01 Oct 2009	1844/DELNP /2011			IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-JP-PCT	Japan	PCT Application	01 Oct 2009	530230/11	19 Dec 2014	5665747	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-PL-EPT	Poland	Euro-PCT Application	01 Oct 2009	09793243.8	14 Dec 2016	2342325	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION

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CL4392-US-DIV	United States Of America	National Patent Divisional	29 Sep 2011	13/248260	18 Dec 2012	8334120	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-US-NP	United States Of America	National Patent	01 Oct 2009	12/572094	22 Nov 2011	8062875	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4392-ZA-PCT	South Africa	PCT Application	01 Oct 2009	2011/01649	30 May 2012	2011/01649	IMPROVED PERHYDROLASES FOR ENZYMATIC PERACID GENERATION
CL4401-CN-PCT	China	PCT Application	01 Oct 2009	200980148581.0	27 Aug 2014	200980148581.0	ENZYMATIC PERACID GENERATION FORMULATION
CL4401-DE-EPT	Germany	Euro-PCT Application	01 Oct 2009	09793242.0	20 Apr 2016	602009038037.0	ENZYMATIC PERACID GENERATION FORMULATION
CL4401-EP-EPT	European Procedure (Patents)	Euro-PCT Application	01 Oct 2009	09793242.0	20 Apr 2016	2342328	ENZYMATIC PERACID GENERATION FORMULATION
CL4401-FR-EPT	France	Euro-PCT Application	01 Oct 2009	09793242.0	20 Apr 2016	2342328	ENZYMATIC PERACID GENERATION FORMULATION
CL4401-GB-EPT	United Kingdom	Euro-PCT Application	01 Oct 2009	09793242.0	20 Apr 2016	2342328	ENZYMATIC PERACID GENERATION FORMULATION
CL4401-IN-PCT	India	PCT Application	01 Oct 2009	1845/DELNP/2011			ENZYMATIC PERACID GENERATION FORMULATION
CL4401-JP-PCT	Japan	PCT Application	01 Oct 2009	530228/11	27 Feb 2015	5701762	ENZYMATIC PERACID GENERATION FORMULATION
CL4401-US-DIV	United States Of America	National Patent Divisional	11 Sep 2012	13/609504	16 Jul 2013	8486380	ENZYMATIC PERACID GENERATION FORMULATION
CL4401-US-NP	United States Of America	National Patent	01 Oct 2009	12/572115	23 Oct 2012	8293221	ENZYMATIC PERACID GENERATION FORMULATION
CL4536-DE-EPT	Germany	Euro-PCT Application	17 Dec 2009	09775490.7	23 Jan 2013	602009013050.1	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION

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CL4536-EP-EPT	European Procedure (Patents)	Euro-PCT Application	17 Dec 2009	09775490.7	23 Jan 2013	2358886	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4536-FR-EPT	France	Euro-PCT Application	17 Dec 2009	09775490.7	23 Jan 2013	2358886	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4536-IT-EPT	Italy	Euro-PCT Application	17 Dec 2009	09775490.7	23 Jan 2013	2358886	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4536-US-DIV	United States Of America	National Patent Divisional	02 Jul 2012	13539696	11 Jun 2013	8460898	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4536-US-NP	United States Of America	National Patent	16 Dec 2009	12/639059	14 Aug 2012	8241873	ORGANIC SOLVENT PRETREATMENT OF BIOMASS TO ENHANCE ENZYMATIC SACCHARIFICATION
CL4545-BR-PCT	Brazil	PCT Application	10 Jun 2010	PI 1010108.0			ZYMOMONAS WITH IMPROVED ARABINOSE UTILIZATION
CL4545-DE-EPT	Germany	Euro-PCT Application	10 Jun 2010	10789964.3	20 Jul 2016	602010034906.3	ZYMOMONAS WITH IMPROVED ARABINOSE UTILIZATION
CL4545-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Jun 2010	10789964.3	20 Jul 2016	2443228	ZYMOMONAS WITH IMPROVED ARABINOSE UTILIZATION
CL4545-FR-EPT	France	Euro-PCT Application	10 Jun 2010	10789964.3	20 Jul 2016	2443228	ZYMOMONAS WITH IMPROVED ARABINOSE UTILIZATION
CL4545-IT-EPT	Italy	Euro-PCT Application	10 Jun 2010	10789964.3	20 Jul 2016	502016000100256	ZYMOMONAS WITH IMPROVED ARABINOSE UTILIZATION
CL4565-US-NP	United States Of America	National Patent	07 Sep 2011	13/226610	17 Dec 2013	8609621	ACID-CLEAVABLE LINKERS EXHIBITING ALTERED RATES OF ACID HYDROLYSIS
CL4582-US-NP	United States Of America	National Patent	19 Nov 2009	12/621599	06 May 2014	8715969	DELIGNIFICATION OF BIOMASS WITH SEQUENTIAL BASE TREATMENT

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CL4597-AU-PCT	Australia	PCT Application	06 Apr 2010	2010234617	11 Feb 2016	2010234617	HYDROGENATION PROCESS
CL4597-CN-PCT	China	PCT Application	06 Apr 2010	201080015706.5	10 Dec 2014	201080015706.5	HYDROGENATION PROCESS
CL4597-DE-EPT	Germany	Euro-PCT Application	06 Apr 2010	10714128.5	02 Apr 2014	2417116	HYDROGENATION PROCESS
CL4597-EP-EPT	European Procedure (Patents)	Euro-PCT Application	06 Apr 2010	10714128.5	02 Apr 2014	2417116	HYDROGENATION PROCESS
CL4597-ES-EPT	Spain	Euro-PCT Application	06 Apr 2010	10714128.5	02 Apr 2014	2417116	HYDROGENATION PROCESS
CL4597-FR-EPT	France	Euro-PCT Application	06 Apr 2010	10714128.5	02 Apr 2014	2417116	HYDROGENATION PROCESS
CL4597-GB-EPT	United Kingdom	Euro-PCT Application	06 Apr 2010	10714128.5	02 Apr 2014	2417116	HYDROGENATION PROCESS
CL4597-HK-FPR	Hong Kong	Foreign Patent Registration	14 Sep 2012	12109069.3	23 Oct 2015	1168347B	HYDROGENATION PROCESS
CL4597-NL-EPT	Netherlands	Euro-PCT Application	06 Apr 2010	10714128.5	02 Apr 2014	2417116	HYDROGENATION PROCESS
CL4597-US-PCT	United States Of America	PCT Application	06 Apr 2010	13/262837	25 Feb 2014	8658807	HYDROGENATION PROCESS
CL4605-BR-PCT	Brazil	PCT Application	10 Sep 2010	112012005321.3	05 Jun 2018	1120120053213	CONVERSION OF ETHANOL TO A REACTION PRODUCT COMPRISING 1-BUTANOL USING HYDROXYAPATITE CATALYSTS
CL4605-US-DIV	United States Of America	National Patent Divisional	16 Jul 2013	13/942759	15 Dec 2015	9211529	CONVERSION OF ETHANOL TO A REACTION PRODUCT COMPRISING 1-BUTANOL USING HYDROXYAPATITE CATALYSTS

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CL4605-US-PCT	United States Of America	PCT Application	10 Sep 2010	13/393613	24 Feb 2015	8962896	CONVERSION OF ETHANOL TO A REACTION PRODUCT COMPRISING 1-BUTANOL USING HYDROXYAPATITE CATALYSTS
CL4674-AU-PCT	Australia	PCT Application	14 Jun 2010	2010260231	15 Jun 2017	2010260231	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-BR-PCT	Brazil	PCT Application	14 Jun 2010	PI1009649.3			IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-CA-PCT	Canada	PCT Application	14 Jun 2010	2761589	19 Dec 2017	2761589	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-CL-PCT	Chile	PCT Application	14 Jun 2010	3162-2011	23 Feb 2016	52.015	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-CN-PCT	China	PCT Application	14 Jun 2010	20108002633 2.7	22 Jul 2015	2010800263 32.7	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-DE-EPT	Germany	Euro-PCT Application	14 Jun 2010	10790007.8	10 Feb 2016	6020100305 91.0	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-DK-EPT	Denmark	Euro-PCT Application	14 Jun 2010	10790007.8	10 Feb 2016	2475679	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-EP-EPT	European Procedure (Patents)	Euro-PCT Application	14 Jun 2010	10790007.8	10 Feb 2016	2475679	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL4674-JP-PCT	Japan	PCT Application	14 Jun 2010	516173/12	04 Mar 2016	5893555	IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION

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CL4674-US-NP	United States Of America	National Patent	14 Jun 2010	12/814815	28 Jan 2014	8637298	RECOMBINANT YARROWIA HOST CELLS FOR PRODUCING OIL COMPRISING EICOSAPENTAENOIC ACID
CL4714-AU-PCT	Australia	PCT Application	14 Jun 2010	2010260234	11 Jun 2015	2010260234	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-BE-EPT	Belgium	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	2442666	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-BR-PCT	Brazil	PCT Application	14 Jun 2010	PI1009731.7			HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-CA-PCT	Canada	PCT Application	14 Jun 2010	2765911			HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-CH-EPT	Switzerland	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	2442666	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-CL-PCT	Chile	PCT Application	14 Jun 2010	3163/11			HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-DE-EPT	Germany	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	602010023793.1	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-DK-EPT	Denmark	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	2442666	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-EP-EPT	European Procedure (Patents)	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	2442666	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-FI-EPT	Finland	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	2442666	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-FR-EPT	France	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	2442666	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4714-JP-PCT	Japan	PCT Application	14 Jun 2010	516175/12			HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-NO-EPT	Norway	Euro-PCT Application	14 Jun 2010	10730624.3	08 Apr 2015	2442666	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4714-US-NP	United States Of America	National Patent	14 Jun 2010	12/814880	19 Mar 2013	8399226	HIGH EICOSAPENTAENOIC ACID OILS FROM IMPROVED OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA
CL4778-CA-PCT	Canada	PCT Application	10 Nov 2010	2779416	12 Dec 2017	2779416	METHOD FOR THE ENHANCED RECOVERY OF CATMINT OIL
CL4778-CN-PCT	China	PCT Application	10 Nov 2010	20108005084 7.0	24 Sep 2014	2010800508 47.0	METHOD FOR THE ENHANCED RECOVERY OF CATMINT OIL
CL4778-IN-PCT	India	PCT Application	10 Nov 2010	3534/DELNP /2012			METHOD FOR THE ENHANCED RECOVERY OF CATMINT OIL
CL4778-US-PCT	United States Of America	PCT Application	10 Nov 2010	13/509061	21 Jul 2015	9085747	METHOD FOR THE ENHANCED RECOVERY OF CATMINT OIL
CL4783-AU-PCT	Australia	PCT Application	26 Aug 2011	2011293167	23 Mar 2017	2011293167	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-BR-PCT	Brazil	PCT Application	26 Aug 2011	11201300435 63			MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-CA-PCT	Canada	PCT Application	26 Aug 2011	2808000			MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-CH-EPT	Switzerland	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	2609201	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-CL-PCT	Chile	PCT Application	26 Aug 2011	507/13	01 Feb 2018	55.898	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL4783-CN-PCT	China	PCT Application	26 Aug 2011	20118004081.9	31 Aug 2016	201180040811.9	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-DE-EPT	Germany	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	602011023639.3	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-DK-EPT	Denmark	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	2609201	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-EP-EPT	European Procedure (Patents)	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	2609201	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-FI-EPT	Finland	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	2609201	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-FR-EPT	France	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	2609201	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-JP-PCT	Japan	PCT Application	26 Aug 2011	526175/13	08 Jul 2016	5963749	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-NL-EPT	Netherlands	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	2609201	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-NO-EPT	Norway	Euro-PCT Application	26 Aug 2011	11750066.0	02 Mar 2016	2609201	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL4783-US-NP	United States Of America	National Patent	26 Aug 2011	13/218591	17 Mar 2015	8980589	MUTANT DELTA-9 ELONGASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS

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CL4801-CN-PCT	China	PCT Application	27 Apr 2011	20118001764 8.4	03 Aug 2016	2011800176 48.4	PRODUCTION OF HIGH SOLIDS SYRUP FROM LIGNOCELLULOSIC BIOMASS HYDROLYSATE FERMENTATION BROTH
CL4801-US-NP	United States Of America	National Patent	25 Apr 2011	13/093118	13 May 2014	8721794	PRODUCTION OF HIGH SOLIDS SYRUP FROM LIGNOCELLULOSIC BIOMASS HYDROLYSATE FERMENTATION BROTH
CL4802-US-NP	United States Of America	National Patent	25 Apr 2011	13/093134	09 Dec 2014	8906235	PROCESS FOR LIQUID/SOLID SEPARATION OF LIGNOCELLULOSIC BIOMASS HYDROLYSATE FERMENTATION BROTH
CL4840-US-NP	United States Of America	National Patent	16 Jun 2011	13/161749	07 Jan 2014	8623623	IMPROVED XYLOSE UTILIZATION IN RECOMBINANT ZYMOMONAS
CL4906-AU-PCT	Australia	PCT Application	21 Jul 2011	2011281083	14 Jul 2016	2011281083	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-BR-PCT	Brazil	PCT Application	21 Jul 2011	11201300099 0.0			ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-CN-PCT	China	PCT Application	21 Jul 2011	20118003499 4.3			ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-DE-EPT	Germany	Euro-PCT Application	21 Jul 2011	11743702.0	23 Aug 2017	6020110408 73.9	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Jul 2011	11743702.0	23 Aug 2017	2596107	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-FR-EPT	France	Euro-PCT Application	21 Jul 2011	11743702.0	23 Aug 2017	2596107	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-GB-EPT	United Kingdom	Euro-PCT Application	21 Jul 2011	11743702.0	23 Aug 2017	2596107	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-IT-EPT	Italy	Euro-PCT Application	21 Jul 2011	11743702.0	23 Aug 2017	5020170001 29757	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS

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CL4906-JP-PCT	Japan	PCT Application	21 Jul 2011	520853/13	01 Apr 2016	5908900	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-PL-EPT	Poland	Euro-PCT Application	21 Jul 2011	11743702.0	23 Aug 2017	2596107	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4906-US-NP	United States Of America	National Patent	19 Jul 2011	13/185572	18 Feb 2014	8651403	ANHYDROUS AMMONIA TREATMENT FOR IMPROVED MILLING OF BIOMASS
CL4947-BR-PCT	Brazil	PCT Application	22 Dec 2010	1120120153676			PROCESS FOR SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL
CL4947-CN-PCT	China	PCT Application	22 Dec 2010	20108005941.8	27 Jul 2016	20108005941.8	PROCESS FOR SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL
CL4947-DE-EPT	Germany	Euro-PCT Application	22 Dec 2010	10798686.1	04 Jul 2018	602010051691.1	PROCESS FOR SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL
CL4947-EP-EPT	European Procedure (Patents)	Euro-PCT Application	22 Dec 2010	10798686.1	04 Jul 2018	2516658	PROCESS FOR SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL
CL4947-FR-EPT	France	Euro-PCT Application	22 Dec 2010	10798686.1	04 Jul 2018	2516658	PROCESS FOR SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL
CL4947-IT-EPT	Italy	Euro-PCT Application	22 Dec 2010	10798686.1	04 Jul 2018	502018000027762	PROCESS FOR SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL
CL4947-US-NP	United States Of America	National Patent	17 Dec 2010	12/970992	11 Feb 2014	8647850	PROCESS FOR SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL
CL4967-US-NP	United States Of America	National Patent	21 Jun 2011	13/164990	01 Mar 2016	9273336	RECOMBINANT HOST CELLS HAVING AN INCREASE IN BUOYANT DENSITY

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5062-BR-NP	Brazil	National Patent	15 Apr 1996	PI9601555.1	05 May 2009	PI9601555.1	PENTOSE FERMENTATION BY RECOMBINANT ZYMOMONAS
CL5077-US-NP	United States Of America	National Patent	10 Feb 2012	13/370785	26 May 2015	9040730	PURIFICATION OF TRIGLYCERIDE OIL FROM MICROBIAL SOURCES USING SHORT PATH DISTILLATION
CL5121-US-NP	United States Of America	National Patent	20 Feb 2013	13/771248	25 Aug 2015	9115182	CYSTEINE CROSS-LINKED STRUCTURAL PEPTIDES
CL5228-CN-NP	China	National Patent	01 Dec 2010	20101057712.9	10 Dec 2014	20101057712.9	THERMOPLASTIC COMPOSITION HAVING IMPROVED MELT FLOWABILITY
CL5256-BR-PCT	Brazil	PCT Application	19 Dec 2011	1120130154594	10 Apr 2018	1120130154594	ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-CA-PCT	Canada	PCT Application	19 Dec 2011	2822422			ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-CN-PCT	China	PCT Application	19 Dec 2011	201180061614.5			ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-EP-EPT	European Procedure (Patents)	Euro-PCT Application	19 Dec 2011	11850480.2			ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-IN-PCT	India	PCT Application	19 Dec 2011	4080/DELNP/2013			ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-JP-PCD	Japan	PCT Application Divisional	22 Dec 2016	2016-248580			ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-JP-PCT	Japan	PCT Application	19 Dec 2011	546292/13	29 Jun 2018	6359831	ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-RU-PCD	Russian Federation	PCT Application Divisional	26 Jun 2018	2018123151			ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-RU-PCT	Russian Federation	PCT Application	19 Dec 2011	2013133831	05 Jul 2018	2660373	ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS

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CL5256-US-NP	United States Of America	National Patent	19 Dec 2011	13/330261	04 Mar 2014	8663616	ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5256-ZA-PCT	South Africa	PCT Application	19 Dec 2011	2013/03372	27 Aug 2014	2013/03372	ENZYMATIC PERACID GENERATION FOR USE IN ORAL CARE PRODUCTS
CL5267-AU-PCT	Australia	PCT Application	26 Aug 2011	2011293189	01 Jun 2017	2011293189	MUTANT HPGG MOTIF AND HDASH MOTIF DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL5267-BR-PCT	Brazil	PCT Application	26 Aug 2011	PCT/US11/49403			MUTANT HPGG MOTIF AND HDASH MOTIF DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL5267-CA-PCT	Canada	PCT Application	26 Aug 2011	2808002			MUTANT HPGG MOTIF AND HDASH MOTIF DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL5267-CN-PCT	China	PCT Application	26 Aug 2011	201180040815.7	11 Jul 2017	201180040815.7	MUTANT HPGG MOTIF AND HDASH MOTIF DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL5267-EP-EPT	European Procedure (Patents)	Euro-PCT Application	26 Aug 2011	11751773.0			MUTANT HPGG MOTIF AND HDASH MOTIF DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL5267-US-NP	United States Of America	National Patent	26 Aug 2011	13/218673	25 Feb 2014	8658413	MUTANT HPGG MOTIF AND HDASH MOTIF DELTA-5 DESATURASES AND THEIR USE IN MAKING POLYUNSATURATED FATTY ACIDS
CL5331-US-NP	United States Of America	National Patent	09 Mar 2011	13/043834	30 Apr 2013	8431753	CONVERSION OF BUTANOL TO A REACTION PRODUCT COMPRISING 2-ETHYLHEXANOL USING HYDROXYAPATITE CATALYSTS

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CL5332-BR-PCT	Brazil	PCT Application	13 Dec 2011	BR1120130149124			XYLOSE UTILIZING ZYMOMONAS MOBILIS WITH IMPROVED ETHANOL PRODUCTION IN BIOMASS HYDROLYSATE MEDIUM
CL5332-US-DIV	United States Of America	National Patent Divisional	12 Mar 2013	13/795148	29 Oct 2013	8569458	XYLOSE UTILIZING ZYMOMONAS MOBILIS WITH IMPROVED ETHANOL PRODUCTION IN BIOMASS HYDROLYSATE MEDIUM
CL5332-US-NP	United States Of America	National Patent	12 Dec 2011	13/316597	02 Jul 2013	8476048	XYLOSE UTILIZING ZYMOMONAS MOBILIS WITH IMPROVED ETHANOL PRODUCTION IN BIOMASS HYDROLYSATE MEDIUM
CL5369-AU-PCT	Australia	PCT Application	10 Feb 2012	2012214266	25 Aug 2016	2012214266	METHOD FOR OBTAINING A LIPID-CONTAINING COMPOSITION FROM MICROBIAL BIOMASS
CL5369-CA-PCD	Canada	PCT Application Divisional	04 Dec 2018	3026436			METHOD FOR OBTAINING A LIPID-CONTAINING COMPOSITION FROM MICROBIAL BIOMASS
CL5369-CA-PCT	Canada	PCT Application	10 Feb 2012	2825039			METHOD FOR OBTAINING A LIPID-CONTAINING COMPOSITION FROM MICROBIAL BIOMASS
CL5369-CN-PCT	China	PCT Application	10 Feb 2012	201280007938.5	22 Mar 2017	201280007938.5	METHOD FOR OBTAINING A LIPID-CONTAINING COMPOSITION FROM MICROBIAL BIOMASS
CL5369-JP-PCT	Japan	PCT Application	10 Feb 2012	553593/13	22 Dec 2016	6061866	METHOD FOR OBTAINING A LIPID-CONTAINING COMPOSITION FROM MICROBIAL BIOMASS
CL5369-US-NP	United States Of America	National Patent	10 Feb 2012	13/370971	07 Apr 2015	8999663	METHOD FOR OBTAINING A LIPID-CONTAINING COMPOSITION FROM MICROBIAL BIOMASS
CL5378-US-NP	United States Of America	National Patent	29 Mar 2012	13/433343	01 Jul 2014	8765426	PANTOTHENIC ACID BIOSYNTHESIS IN ZYMOMONAS
CL5411-CA-PCT	Canada	PCT Application	26 Aug 2011	2807834			RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION

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CL5411-CH-EPT	Switzerland	Euro-PCT Application	26 Aug 2011	11752426.4	20 Jun 2018	2609203	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-CL-PCT	Chile	PCT Application	26 Aug 2011	0533/13			RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-CN-PCT	China	PCT Application	26 Aug 2011	20118004106 4.0	26 Oct 2016	2011800410 64.0	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-DK-EPT	Denmark	Euro-PCT Application	26 Aug 2011	11752426.4	20 Jun 2018	2609203	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-EP-EPT	European Procedure (Patents)	Euro-PCT Application	26 Aug 2011	11752426.4	20 Jun 2018	2609203	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-FI-EPT	Finland	Euro-PCT Application	26 Aug 2011	11752426.4	20 Jun 2018	2609203	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-GB-EPT	United Kingdom	Euro-PCT Application	26 Aug 2011	11752426.4	20 Jun 2018	2609203	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-NL-EPT	Netherlands	Euro-PCT Application	26 Aug 2011	11752426.4	20 Jun 2018	2609203	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-NO-EPT	Norway	Euro-PCT Application	26 Aug 2011	11752426.4	20 Jun 2018	2609203	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5411-US-NP	United States Of America	National Patent	26 Aug 2011	13/218708	22 Apr 2014	8703473	RECOMBINANT MICROBIAL HOST CELLS FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION
CL5440-BR-PCT	Brazil	PCT Application	19 Dec 2012	11201401556 66			PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS
CL5440-CN-PCT	China	PCT Application	19 Dec 2012	20128006307 8.7	12 Apr 2017	2012800630 78.7	PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS

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CL5440-DE-EPT	Germany	Euro-PCT Application	19 Dec 2012	12808652.7	02 Nov 2016	602012024954.4	PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS
CL5440-EP-EPT	European Procedure (Patents)	Euro-PCT Application	19 Dec 2012	12808652.7	02 Nov 2016	2794877	PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS
CL5440-FR-EPT	France	Euro-PCT Application	19 Dec 2012	12808652.7	02 Nov 2016	2794877	PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS
CL5440-IT-EPT	Italy	Euro-PCT Application	19 Dec 2012	12808652.7	02 Nov 2016	502017000005469	PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS
CL5440-US-NP	United States Of America	National Patent	12 Dec 2012	13/711646	16 Dec 2014	8911983	PNP GENE MODIFICATION FOR IMPROVED XYLOSE UTILIZATION IN ZYMOMONAS
CL5477-US-NP	United States Of America	National Patent	22 Oct 2012	13/657575	24 Feb 2015	8962294	PERHYDROLASE VARIANT PROVIDING IMPROVED SPECIFIC ACTIVITY
CL5541-BR-PCT	Brazil	PCT Application	10 Jun 2013	1120140312613			USE OF VIRGINIAMYCIN FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5541-CN-PCT	China	PCT Application	10 Jun 2013	201380031466.1			USE OF VIRGINIAMYCIN FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5541-DE-EPT	Germany	Euro-PCT Application	10 Jun 2013	13729896.4	26 Oct 2016	602013013222.4	USE OF VIRGINIAMYCIN FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5541-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Jun 2013	13729896.4	26 Oct 2016	2861747	USE OF VIRGINIAMYCIN FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5541-FR-EPT	France	Euro-PCT Application	10 Jun 2013	13729896.4	26 Oct 2016	2861747	USE OF VIRGINIAMYCIN FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS

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CL5541-IT-EPT	Italy	Euro-PCT Application	10 Jun 2013	13729896.4	26 Oct 2016	5020170000 04642	USE OF VIRGINIAMYCIN FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5541-US-DIV	United States Of America	National Patent Divisional	10 Dec 2013	14/101375	13 May 2014	8722373	CONTAMINANT CONTROL IN ZYMOMONAS FERMENTATION USING VIRGINIAMYCIN
CL5541-US-NP	United States Of America	National Patent	15 Jun 2012	13/524255	15 Apr 2014	8697426	CONTAMINANT CONTROL IN ZYMOMONAS FERMENTATION USING VIRGINIAMYCIN
CL5558-BR-PCT	Brazil	PCT Application	13 Jun 2013	11201403182 71			IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-CA-PCT	Canada	PCT Application	13 Jun 2013	2877279			IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-CH-EPT	Switzerland	Euro-PCT Application	13 Jun 2013	13731233.6	27 Dec 2017	2861728	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-CL-PCT	Chile	PCT Application	13 Jun 2013	3419-2014			IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5558-DK-EPT	Denmark	Euro-PCT Application	13 Jun 2013	13731233.6	27 Dec 2017	2861728	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Jun 2013	13731233.6	27 Dec 2017	2861728	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-FI-EPT	Finland	Euro-PCT Application	13 Jun 2013	13731233.6	27 Dec 2017	2861728	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-GB-EPT	United Kingdom	Euro-PCT Application	13 Jun 2013	13731233.6	27 Dec 2017	2861728	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-JP-PCT	Japan	PCT Application	13 Jun 2013	2015-518454	15 Jun 2018	6351582	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5558-NL-EPT	Netherlands	Euro-PCT Application	13 Jun 2013	13731233.6	27 Dec 2017	2861728	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-NO-EPT	Norway	Euro-PCT Application	13 Jun 2013	13731233.6	27 Dec 2017	2861728	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5558-US-NP	United States Of America	National Patent	13 Jun 2013	13/916628	16 Aug 2016	9416382	IMPROVED PRODUCTION OF POLYUNSATURATED FATTY ACIDS BY COEXPRESSION OF ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES AND PHOSPHOLIPID:DIACYLGLYCEROL ACYLTRANSFERASES
CL5570-BR-PCT	Brazil	PCT Application	19 Dec 2012	1120140155658			GENE INACTIVATION ALLOWING IMMEDIATE GROWTH ON XYLOSE MEDIUM BY ENGINEERED ZYMOMONAS
CL5570-CN-PCT	China	PCT Application	19 Dec 2012	201280063242.4			GENE INACTIVATION ALLOWING IMMEDIATE GROWTH ON XYLOSE MEDIUM BY ENGINEERED ZYMOMONAS
CL5570-DE-EPT	Germany	Euro-PCT Application	19 Dec 2012	12808653.5	07 Mar 2018	602012043808.8	GENE INACTIVATION ALLOWING IMMEDIATE GROWTH ON XYLOSE MEDIUM BY ENGINEERED ZYMOMONAS
CL5570-EP-EPT	European Procedure (Patents)	Euro-PCT Application	19 Dec 2012	12808653.5	07 Mar 2018	2794862	GENE INACTIVATION ALLOWING IMMEDIATE GROWTH ON XYLOSE MEDIUM BY ENGINEERED ZYMOMONAS

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CL5570-FR-EPT	France	Euro-PCT Application	19 Dec 2012	12808653.5	07 Mar 2018	2794862	GENE INACTIVATION ALLOWING IMMEDIATE GROWTH ON XYLOSE MEDIUM BY ENGINEERED ZYMOMONAS
CL5570-IT-EPT	Italy	Euro-PCT Application	19 Dec 2012	12808653.5	07 Mar 2018	502018000014109	GENE INACTIVATION ALLOWING IMMEDIATE GROWTH ON XYLOSE MEDIUM BY ENGINEERED ZYMOMONAS
CL5573-BR-PCT	Brazil	PCT Application	10 Jun 2013	1120140311781			USE OF HOP ACIDS FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5573-CN-PCT	China	PCT Application	10 Jun 2013	201380042883.6	25 Sep 2018	201380042883.6	USE OF HOP ACIDS FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5573-DE-EPT	Germany	Euro-PCT Application	10 Jun 2013	13729900.4	28 Dec 2016	602013015876.2	USE OF HOP ACIDS FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5573-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Jun 2013	13729900.4	28 Dec 2016	2861748	USE OF HOP ACIDS FOR BACTERIAL CONTAMINATION CONTROL IN FERMENTATIONS USING ZYMOMONAS MOBILIS
CL5573-US-NP	United States Of America	National Patent	15 Jun 2012	13/524277	24 Jun 2014	8759069	CONTAMINANT CONTROL IN ZYMOMONAS FERMENTATION USING HOP ACIDS
CL5574-BR-PCT	Brazil	PCT Application	11 Dec 2013	1120150148506			STABILIZED CHLORINE DIOXIDE FOR CONTAMINATION CONTROL IN ZYMOMONAS FERMENTATION
CL5574-CN-PCT	China	PCT Application	11 Dec 2013	201380067027.6			STABILIZED CHLORINE DIOXIDE FOR CONTAMINATION CONTROL IN ZYMOMONAS FERMENTATION
CL5574-EP-EPT	European Procedure (Patents)	Euro-PCT Application	11 Dec 2013	13812398.9			STABILIZED CHLORINE DIOXIDE FOR CONTAMINATION CONTROL IN ZYMOMONAS FERMENTATION

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CL5574-US-DIV	United States Of America	National Patent Divisional	26 Aug 2014	14/468364	20 Dec 2016	9522203	STABILIZED CHLORINE DIOXIDE FOR CONTAMINATION CONTROL IN ZYMOMONAS FERMENTATION
CL5574-US-NP	United States Of America	National Patent	20 Dec 2012	13/721103	30 Sep 2014	8846357	STABILIZED CHLORINE DIOXIDE FOR CONTAMINATION CONTROL IN ZYMOMONAS FERMENTATION
CL5626-BR-PCT	Brazil	PCT Application	13 Mar 2013	1120140242070			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5626-CA-PCT	Canada	PCT Application	13 Mar 2013	2868176			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5626-CN-PCT	China	PCT Application	13 Mar 2013	201380028332.4			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5626-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Mar 2013	13712073.9			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5626-IN-PCT	India	PCT Application	13 Mar 2013	7244/CHENP/2014			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5626-JP-PCT	Japan	PCT Application	13 Mar 2013	2015-503268	11 May 2018	6335873	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5626-RU-PCT	Russian Federation	PCT Application	13 Mar 2013	2014143791	23 Nov 2017	2636466	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5626-US-NP	United States Of America	National Patent	13 Mar 2013	13/799757	21 Oct 2014	8865435	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5627-BR-PCT	Brazil	PCT Application	13 Mar 2013	1120140240159			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5627-CA-PCT	Canada	PCT Application	13 Mar 2013	2867937			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5627-CN-PCT	China	PCT Application	13 Mar 2013	201380028462.8			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5627-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Mar 2013	13712074.7			ENZYMES USEFUL FOR PERACID PRODUCTION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5627-IN-PCT	India	PCT Application	13 Mar 2013	7247/CHENP/2014			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5627-JP-PCT	Japan	PCT Application	29 Sep 2014	2015-503269			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5627-RU-PCT	Russian Federation	PCT Application	13 Mar 2013	2014143793	08 Feb 2018	2644336	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5627-US-NP	United States Of America	National Patent	13 Mar 2013	13/799812	23 Sep 2014	8841098	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-BR-PCT	Brazil	PCT Application	13 Mar 2013	1120140242160			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-CA-PCT	Canada	PCT Application	13 Mar 2013	2868179			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-CN-PCT	China	PCT Application	13 Mar 2013	201380028432.7			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Mar 2013	13712075.4			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-IN-PCT	India	PCT Application	13 Mar 2013	7240/CHENP/2014			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-JP-PCT	Japan	PCT Application	13 Mar 2013	2015-503270			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-RU-PCT	Russian Federation	PCT Application	13 Mar 2013	2014143792	08 Feb 2018	2644333	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5628-US-NP	United States Of America	National Patent	13 Mar 2013	13/799882	21 Oct 2014	8865436	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5629-BR-PCT	Brazil	PCT Application	13 Mar 2013	1120140242178			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5629-CA-PCT	Canada	PCT Application	13 Mar 2013	2867939			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5629-CN-PCT	China	PCT Application	13 Mar 2013	201380028537.2			ENZYMES USEFUL FOR PERACID PRODUCTION

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5629-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Mar 2013	13712076.2			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5629-IN-PCT	India	PCT Application	13 Mar 2013	7264/CHENP/2014			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5629-JP-PCT	Japan	PCT Application	13 Mar 2013	2015-503271	11 May 2018	6335874	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5629-RU-PCT	Russian Federation	PCT Application	13 Mar 2013	2014143823	08 Feb 2018	2644330	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5629-US-NP	United States Of America	National Patent	13 Mar 2013	13/799930	21 Oct 2014	8865437	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-BR-PCT	Brazil	PCT Application	13 Mar 2013	1120140244243			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-CA-PCT	Canada	PCT Application	13 Mar 2013	2867998			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-CN-PCT	China	PCT Application	13 Mar 2013	201380028430.8	10 Aug 2018	201380028430.8	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Mar 2013	13712077.0			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-IN-PCT	India	PCT Application	13 Mar 2013	7239/CHENP/2014			ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-JP-PCT	Japan	PCT Application	13 Mar 2013	2015-503272	01 Sep 2017	6200485	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-RU-PCT	Russian Federation	PCT Application	13 Mar 2013	2014143510	19 Feb 2018	2645257	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5630-US-NP	United States Of America	National Patent	13 Mar 2013	13/800016	16 Dec 2014	8911977	ENZYMES USEFUL FOR PERACID PRODUCTION
CL5642-BR-PCT	Brazil	PCT Application	13 Jun 2013	1120140317844			MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-CA-PCT	Canada	PCT Application	13 Jun 2013	2877334			MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5642-CH-EPT	Switzerland	Euro-PCT Application	13 Jun 2013	13730784.9	21 Mar 2018	2861727	MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-CL-PCT	Chile	PCT Application	13 Jun 2013	3418-2014			MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-DK-EPT	Denmark	Euro-PCT Application	13 Jun 2013	13730784.9	21 Mar 2018	2861727	MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Jun 2013	13730784.9	21 Mar 2018	2861727	MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-FI-EPT	Finland	Euro-PCT Application	13 Jun 2013	13730784.9	21 Mar 2018	2861727	MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-GB-EPT	United Kingdom	Euro-PCT Application	13 Jun 2013	13730784.9	21 Mar 2018	2861727	MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-NL-EPT	Netherlands	Euro-PCT Application	13 Jun 2013	13730784.9	21 Mar 2018	2861727	MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-NO-EPT	Norway	Euro-PCT Application	13 Jun 2013	13730784.9	21 Mar 2018	2861727	MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5642-US-NP	United States Of America	National Patent	13 Jun 2013	13/916644	24 May 2016	9347075	NUCLEIC ACIDS ENCODING MUTANT ACYL-CoA:LYSOPHOSPHATIDYLCHOLINE ACYLTRANSFERASES
CL5707-AU-PCT	Australia	PCT Application	13 Mar 2014	2014244216			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-BR-PCT	Brazil	PCT Application	13 Mar 2014	1120150226124			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-CN-PCT	China	PCT Application	13 Mar 2014	201480027043.7			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-EP-EPT	European Procedure (Patents)	Euro-PCT Application	13 Mar 2014	14719570.5			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION

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CL5707-ID-PCT	Indonesia	PCT Application	13 Mar 2014	P00201506567			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-IN-PCT	India	PCT Application	13 Mar 2014	8640/DELNP/2015			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-JP-PCT	Japan	PCT Application	13 Mar 2014	2016-501949			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-MY-PCT	Malaysia	PCT Application	13 Mar 2014	PI2015002188			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-TH-PCT	Thailand	PCT Application	13 Mar 2014	1501005431			GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5707-ZA-PCT	South Africa	PCT Application	13 Mar 2014	2015/07360	21 Dec 2016	2015/07360	GLYCEROL 3-PHOSPHATE DEHYDROGENASE FOR BUTANOL PRODUCTION
CL5759-US-NP	United States Of America	National Patent	21 Sep 2012	13/624188	27 May 2014	8733073	SYSTEM, APPARATUS, AND METHOD FOR CUTTING, WINDROWING, AND BALING MATERIAL IN A SINGLE PASS
CL5760-US-DIV	United States Of America	National Patent Divisional	17 Jul 2013	13/944292	27 May 2014	8733074	SYSTEM, APPARATUS, AND METHOD FOR RAKING AND BALING MATERIAL IN A SINGLE PASS
CL5760-US-NP	United States Of America	National Patent	26 Oct 2012	13/661857	10 Dec 2013	8601781	SYSTEM, APPARATUS, AND METHOD FOR RAKING AND BALING MATERIALS IN A SINGLE PASS
CL5807-AU-PCT	Australia	PCT Application	11 Mar 2014	2014249177	05 Apr 2018	2014249177	GRADIENT PRETREATMENT OF LIGNOCELLULOSIC BIOMASS
CL5807-CN-PCT	China	PCT Application	11 Mar 2014	201480014270.6			GRADIENT PRETREATMENT OF LIGNOCELLULOSIC BIOMASS
CL5807-EP-EPT	European Procedure (Patents)	Euro-PCT Application	11 Mar 2014	14713012.4			GRADIENT PRETREATMENT OF LIGNOCELLULOSIC BIOMASS
CL5807-ZA-PCT	South Africa	PCT Application	11 Mar 2014	2015/05712			GRADIENT PRETREATMENT OF LIGNOCELLULOSIC BIOMASS
CL5852-BR-PCT	Brazil	PCT Application	18 Dec 2013	1120150147810			RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL5852-CA-PCT	Canada	PCT Application	18 Dec 2013	2893409			RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-CH-EPT	Switzerland	Euro-PCT Application	18 Dec 2013	13821271.7	21 Mar 2018	2935601	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-CL-PCT	Chile	PCT Application	18 Dec 2013	1673-2015			RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-DK-EPT	Denmark	Euro-PCT Application	18 Dec 2013	13821271.7	21 Mar 2018	2935601	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Dec 2013	13821271.7	21 Mar 2018	2935601	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-FI-EPT	Finland	Euro-PCT Application	18 Dec 2013	13821271.7	21 Mar 2018	2935601	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-GB-EPT	United Kingdom	Euro-PCT Application	18 Dec 2013	13821271.7	21 Mar 2018	2935601	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-NL-EPT	Netherlands	Euro-PCT Application	18 Dec 2013	13821271.7	21 Mar 2018	2935601	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-NO-EPT	Norway	Euro-PCT Application	18 Dec 2013	13821271.7	21 Mar 2018	2935601	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT
CL5852-US-NP	United States Of America	National Patent	18 Dec 2013	14/132022	11 Jul 2017	9701989	RECOMBINANT MICROBIAL CELLS THAT PRODUCE AT LEAST 28% EICOSAPENTAENOIC ACID AS DRY CELL WEIGHT

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CL5953-BR-PCT	Brazil	PCT Application	18 Dec 2013	11201501484 4.1			DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-CA-PCT	Canada	PCT Application	18 Dec 2013	2892516			DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-CH-EPT	Switzerland	Euro-PCT Application	18 Dec 2013	13814811.9	05 Jul 2017	2935591	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-DE-EPT	Germany	Euro-PCT Application	18 Dec 2013	13814811.9	05 Jul 2017	6020130232 01.6	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-EP-EPT	European Procedure (Patents)	Euro-PCT Application	18 Dec 2013	13814811.9	05 Jul 2017	2935591	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-FR-EPT	France	Euro-PCT Application	18 Dec 2013	13814811.9	05 Jul 2017	2935591	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-GB-EPT	United Kingdom	Euro-PCT Application	18 Dec 2013	13814811.9	05 Jul 2017	2935591	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-NL-EPT	Netherlands	Euro-PCT Application	18 Dec 2013	13814811.9	05 Jul 2017	2935591	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS

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CL5953-US-CNT	United States Of America	Continuation	17 Mar 2015	14/660229	13 Sep 2016	9441209	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5953-US-NP	United States Of America	National Patent	18 Dec 2013	14/132051	14 Apr 2015	9005940	DOWN-REGULATION OF A POLYNUCLEOTIDE ENCODING A SOU2 SORBITOL UTILIZATION PROTEIN TO MODIFY LIPID PRODUCTION IN MICROBIAL CELLS
CL5968-AU-PCT	Australia	PCT Application	10 Mar 2014	2014249370			COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-BR-PCT	Brazil	PCT Application	10 Mar 2014	112015020155			COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-CN-PCT	China	PCT Application	10 Mar 2014	201480012766.X			COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-DE-EPT	Germany	Euro-PCT Application	10 Mar 2014	14717258.9	13 Dec 2017	602014018451.0	COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Mar 2014	14717258.9	13 Dec 2017	2970936	COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-FR-EPT	France	Euro-PCT Application	10 Mar 2014	14717258.9	13 Dec 2017	2970936	COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-ID-PCT	Indonesia	PCT Application	10 Mar 2014	P00201505537			COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-IN-PCT	India	PCT Application	10 Mar 2014	6691/DELNP/2015			COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-JP-PCT	Japan	PCT Application	10 Mar 2014	2016-500934			COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-US-DIV	United States Of America	National Patent Divisional	16 Jan 2014	14/156566	09 Dec 2014	8906656	COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5968-US-NP	United States Of America	National Patent	11 Mar 2013	13/792308	11 Mar 2014	8669076	COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS

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CL5968-ZA-PCT	South Africa	PCT Application	10 Mar 2014	2015/05713			COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-AU-PCT	Australia	PCT Application	10 Mar 2014	2014249388			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-BR-PCT	Brazil	PCT Application	10 Mar 2014	1120150220215			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-CN-PCT	China	PCT Application	10 Mar 2014	201480013264.9			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-DE-EPT	Germany	Euro-PCT Application	10 Mar 2014	14717262.1	25 Apr 2018	602014024421.1	BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-EP-EPT	European Procedure (Patents)	Euro-PCT Application	10 Mar 2014	14717262.1	25 Apr 2018	2970937	BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-FR-EPT	France	Euro-PCT Application	10 Mar 2014	14717262.1	25 Apr 2018	2970937	BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-GB-EPT	United Kingdom	Euro-PCT Application	10 Mar 2014	14717262.1	25 Apr 2018	2970937	BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-HU-EPT	Hungary	Euro-PCT Application	10 Mar 2014	14717262.1	25 Apr 2018	2970937	BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-ID-PCT	Indonesia	PCT Application	10 Mar 2014	P00201505538			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-IN-PCT	India	PCT Application	10 Mar 2014	8205/DELNP/2015			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-JP-PCT	Japan	PCT Application	10 Mar 2014	2016-500948			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-MY-PCT	Malaysia	PCT Application	10 Mar 2014	PI2015702443			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-US-DIV	United States Of America	National Patent Divisional	13 Oct 2015	14/881563	21 Jun 2016	9371535	BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS

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CL5984-US-NP	United States Of America	National Patent	11 Mar 2013	13/792321	17 Nov 2015	9187743	BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL5984-ZA-PCT	South Africa	PCT Application	10 Mar 2014	2015/05714			BACTERIAL XYLOSE ISOMERASES ACTIVE IN YEAST CELLS
CL6019-BR-PCT	Brazil	PCT Application	21 Nov 2014	1120160116933			HIGH FORCE AND HIGH STRESS DESTRUCTURING OF CELLULOSIC BIOMASS
CL6019-CN-PCT	China	PCT Application	21 Nov 2014	201480073884.1			HIGH FORCE AND HIGH STRESS DESTRUCTURING OF CELLULOSIC BIOMASS
CL6019-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Nov 2014	14809569.8			HIGH FORCE AND HIGH STRESS DESTRUCTURING OF CELLULOSIC BIOMASS
CL6019-US-NP	United States Of America	National Patent	18 Nov 2014	14/546225			HIGH FORCE AND HIGH STRESS DESTRUCTURING OF CELLULOSIC BIOMASS
CL6120-US-NP[2]	United States Of America	National Patent	09 Oct 2014	14/510142	23 Jan 2018	9873846	FUEL COMPOSITIONS CONTAINING LIGNOCELLULOSIC BIOMASS FERMENTATION PROCESS SYRUP
CL6166-BR-PCT	Brazil	PCT Application	24 Jun 2015	1120160298241			ENHANCING D-XYLOSE AND L-ARABINOSE UTILIZATION IN ZYMOMONAS CELLS
CL6166-CN-PCT	China	PCT Application	24 Jun 2015	201580033768.1			ENHANCING D-XYLOSE AND L-ARABINOSE UTILIZATION IN ZYMOMONAS CELLS
CL6166-DE-EPT	Germany	Euro-PCT Application	24 Jun 2015	15734518.2	17 Oct 2018	3160987	ENHANCING D-XYLOSE AND L-ARABINOSE UTILIZATION IN ZYMOMONAS CELLS
CL6166-EP-EPT	European Procedure (Patents)	Euro-PCT Application	24 Jun 2015	15734518.2	17 Oct 2018	3160987	ENHANCING D-XYLOSE AND L-ARABINOSE UTILIZATION IN ZYMOMONAS CELLS
CL6166-FR-EPT	France	Euro-PCT Application	24 Jun 2015	15734518.2	17 Oct 2018	3160987	ENHANCING D-XYLOSE AND L-ARABINOSE UTILIZATION IN ZYMOMONAS CELLS
CL6166-IT-EPT	Italy	Euro-PCT Application	24 Jun 2015	15734518.2	17 Oct 2018	3160987	ENHANCING D-XYLOSE AND L-ARABINOSE UTILIZATION IN ZYMOMONAS CELLS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL6166-US-NP	United States Of America	National Patent	24 Jun 2014	14/312725	21 Jun 2016	9371546	ENHANCING D-XYLOSE AND L-ARABINOSE UTILIZATION IN ZYMOMONAS CELLS
CL6177-DE-EPT	Germany	Euro-PCT Application	25 Apr 2003	03799754.1	15 Apr 2009	60327230.4	ZYMOMONAS PENTOSE SUGAR FERMENTING STRAINS AND USES THEREOF
CL6177-EP-EPT	European Procedure (Patents)	Euro-PCT Application	25 Apr 2003	03799754.1	15 Apr 2009	1549736	ZYMOMONAS PENTOSE SUGAR FERMENTING STRAINS AND USES THEREOF
CL6177-FR-EPT	France	Euro-PCT Application	25 Apr 2003	03799754.1	15 Apr 2009	1549736	ZYMOMONAS PENTOSE SUGAR FERMENTING STRAINS AND USES THEREOF
CL6239-BR-PCT	Brazil	PCT Application	22 May 2015	11201602784 96			ENZYMATIC SYNTHESIS OF SOLUBLE GLUCAN FIBER
CL6239-CA-PCT	Canada	PCT Application	22 May 2015	2949300			ENZYMATIC SYNTHESIS OF SOLUBLE GLUCAN FIBER
CL6239-CN-PCT	China	PCT Application	22 May 2015	20158002853 4.8			ENZYMATIC SYNTHESIS OF SOLUBLE GLUCAN FIBER
CL6239-EP-EPT	European Procedure (Patents)	Euro-PCT Application	22 May 2015	15727221.2			ENZYMATIC SYNTHESIS OF SOLUBLE GLUCAN FIBER
CL6239-MX-PCT	Mexico	PCT Application	22 May 2015	MX/a/2016/0 15703			ENZYMATIC SYNTHESIS OF SOLUBLE GLUCAN FIBER
CL6239-US-PCT	United States Of America	PCT Application	22 May 2015	15/313321			ENZYMATIC SYNTHESIS OF SOLUBLE GLUCAN FIBER
CL6245-BR-PCT	Brazil	PCT Application	21 Nov 2014	11201601165 42			HIGH FORCE AND HIGH STRESS DESTRUCTURING FOR STARCH BIOMASS PROCESSING
CL6245-CN-PCT	China	PCT Application	21 Nov 2014	20148006412 9.7			HIGH FORCE AND HIGH STRESS DESTRUCTURING FOR STARCH BIOMASS PROCESSING
CL6245-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Nov 2014	14809245.5			HIGH FORCE AND HIGH STRESS DESTRUCTURING FOR STARCH BIOMASS PROCESSING

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL6245-US-NP	United States Of America	National Patent	18 Nov 2014	14/546250			HIGH FORCE AND HIGH STRESS DESTRUCTURING FOR STARCH BIOMASS PROCESSING
CL6254-US-CNT	United States Of America	Continuation	05 Oct 2016	15/285780	05 Dec 2017	9834483	SOIL CONDITIONER COMPOSITIONS CONTAINING LIGNOCELLULOSIC BIOMASS FERMENTATION PROCESS SYRUP
CL6254-US-NP	United States Of America	National Patent	09 Oct 2014	14/510148	22 Nov 2016	9499451	SOIL CONDITIONER COMPOSITIONS CONTAINING LIGNOCELLULOSIC BIOMASS FERMENTATION PROCESS SYRUP
CL6256-AU-PCT	Australia	PCT Application	02 Dec 2015	2015363113			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6256-BR-PCT	Brazil	PCT Application	02 Dec 2015	11201701276 52			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6256-CA-PCT	Canada	PCT Application	02 Dec 2015	2971391			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6256-CN-PCT	China	PCT Application	02 Dec 2015	20158007643 9.5			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL6256-EP-EPT	European Procedure (Patents)	Euro-PCT Application	02 Dec 2015	15816605.8			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6256-IN-PCT	India	PCT Application	02 Dec 2015	201717020583			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6256-JP-PCT	Japan	PCT Application	02 Dec 2015	2017-532700			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6256-KR-PCT	South Korea / Republic of Korea	PCT Application	02 Dec 2015	10-2017-7019285			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6256-MX-PCT	Mexico	PCT Application	02 Dec 2015	MX/a/2017/007907			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL6256-US-PCT	United States Of America	PCT Application	02 Dec 2015	15/533475			COMPOSITIONS AND METHODS FOR EFFICIENT GENE EDITING IN E. COLI USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS IN COMBINATION WITH CIRCULAR POLYNUCLEOTIDE MODIFICATION TEMPLATES
CL6272-AU-PCT	Australia	PCT Application	21 Jul 2015	2015302213			GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE
CL6272-CA-PCT	Canada	PCT Application	21 Jul 2015	2957684			GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE
CL6272-CN-PCT	China	PCT Application	21 Jul 2015	20158005620 4.X			GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE
CL6272-EP-EPT	European Procedure (Patents)	Euro-PCT Application	21 Jul 2015	15747678.9			GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE
CL6272-JP-PCT	Japan	PCT Application	21 Jul 2015	2017-507714			GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE
CL6272-KR-PCT	South Korea / Republic of Korea	PCT Application	21 Jul 2015	10-2017-7006429			GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE
CL6272-US-PCT	United States Of America	PCT Application	21 Jul 2015	15/503383			GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE
CL6273-AU-PCT	Australia	PCT Application	03 Nov 2015	2015343307			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6273-CA-PCT	Canada	PCT Application	03 Nov 2015	2966731			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6273-CN-PCT	China	PCT Application	03 Nov 2015	20158007262 9.X			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS

Case Ref	Country	Filing Type	Filing Date	Filing Number	Grant Date	Grant Number	Title
CL6273-EA-EAT	Eurasian Procedure	Eurasian-PCT Application	03 Nov 2015	201790968			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6273-EP-EPT	European Procedure (Patents)	Euro-PCT Application	03 Nov 2015	15813149.0			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6273-JP-PCT	Japan	PCT Application	03 Nov 2015	2017-524407			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6273-KR-PCT	South Korea / Republic of Korea	PCT Application	03 Nov 2015	10-2017-7015396			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6273-US-PCD	United States Of America	PCT Application Divisional	13 Dec 2018	16/218808			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6273-US-PCT	United States Of America	PCT Application	03 Nov 2015	15/523741			PEPTIDE-MEDIATED DELIVERY OF RNA-GUIDED ENDONUCLEASE INTO CELLS
CL6357-BR-PCT	Brazil	PCT Application	05 Apr 2017	1120180706450			ARABINOSE ISOMERASES FOR YEAST
CL6357-CN-PCT	China	PCT Application	05 Apr 2017	PCT/US2017/026133			ARABINOSE ISOMERASES FOR YEAST
CL6357-US-PCT	United States Of America	PCT Application	05 Apr 2017	16/091175			ARABINOSE ISOMERASES FOR YEAST
CL6357-WO-PCT	International Procedure	PCT Application	05 Apr 2017	PCT/US2017/026133			ARABINOSE ISOMERASES FOR YEAST
CL6412-BR-PCT	Brazil	PCT Application	05 Dec 2016	1120180111953			AN ENZYME DELIVERY SYSTEM AND METHODS RELATING THERETO
CL6412-CN-PCT	China	PCT Application	05 Dec 2016	201680080360.4			AN ENZYME DELIVERY SYSTEM AND METHODS RELATING THERETO
CL6412-EP-EPT	European Procedure (Patents)	Euro-PCT Application	05 Dec 2016	16822296.6			AN ENZYME DELIVERY SYSTEM AND METHODS RELATING THERETO

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CL6412-JP-PCT	Japan	PCT Application	05 Dec 2016	2018-529037			AN ENZYME DELIVERY SYSTEM AND METHODS RELATING THERETO
CL6412-US-PCT	United States Of America	PCT Application	05 Dec 2016	15/781012			AN ENZYME DELIVERY SYSTEM AND METHODS RELATING THERETO
CL6441-AU-PCT	Australia	PCT Application	11 Oct 2016	2016338785			PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE
CL6441-BR-PCT	Brazil	PCT Application	11 Oct 2016	1120180073512			PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE
CL6441-CA-PCT	Canada	PCT Application	11 Oct 2016	2999050			PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE
CL6441-EP-EPT	European Procedure (Patents)	Euro-PCT Application	11 Oct 2016	16791150.2			PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE
CL6441-JP-PCT	Japan	PCT Application	11 Oct 2016	2018-538537			PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE
CL6441-KR-PCT	South Korea / Republic of Korea	PCT Application	11 Oct 2016	10-2018-7012640			PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE
CL6441-US-PCT	United States Of America	PCT Application	11 Oct 2016	15/761899			PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE

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CL6526-BR-PCT	Brazil	PCT Application	25 Apr 2003	PI0309796.0	12 Jul 2016	PI0309796.0	ZYMOMONAS PENTOSE-SUGAR FERMENTATING STRAINS AND USES THEREOF
CL6530-WO-PCT	International Procedure	PCT Application	02 Jun 2017	PCT/US17/35626			PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOLVENT
CL6551-BR-PCT	Brazil	PCT Application	05 Dec 2016	1120180112364			A FIBROUS CONSTRUCT AND METHODS RELATING THERETO
CL6551-CN-PCT	China	PCT Application	05 Dec 2016	201680081074.X			A FIBROUS CONSTRUCT AND METHODS RELATING THERETO
CL6551-EP-EPT	European Procedure (Patents)	Euro-PCT Application	05 Dec 2016	16826786.2			A FIBROUS CONSTRUCT AND METHODS RELATING THERETO
CL6551-JP-PCT	Japan	PCT Application	05 Dec 2016	2018-528649			A FIBROUS CONSTRUCT AND METHODS RELATING THERETO
CL6551-US-PCT	United States Of America	PCT Application	05 Dec 2016	15/781032			A FIBROUS CONSTRUCT AND METHODS RELATING THERETO
NB30854-BE-EPT	Belgium	Euro-PCT Application	22 Apr 2003	03721832.8	04 Jan 2012	1499709	Promoter and Plasmid System for Genetic Engineering
NB30854-CA-PCT	Canada	PCT Application	22 Apr 2003	2481414	09 Apr 2013	2481414	PROMOTER AND PLASMID SYSTEM FOR GENETIC ENGINEERING
NB30854-CN-PCT	China	PCT Application	22 Apr 2003	03809122.4	06 Feb 2008	03809122.4	Promoter and Plasmid System for Genetic Engineering
NB30854-DE-EPT	Germany	Euro-PCT Application	22 Apr 2003	03721832.8	04 Jan 2012	60339600.3	Promoter and Plasmid System for Genetic Engineering
NB30854-EP-EPT	European Procedure (Patents)	Euro-PCT Application	22 Apr 2003	03721832.8	04 Jan 2012	1499709	Promoter and Plasmid System for Genetic Engineering
NB30854-FR-EPT	France	Euro-PCT Application	22 Apr 2003	03721832.8	04 Jan 2012	1499709	Promoter and Plasmid System for Genetic Engineering

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NB30854-GB-EPT	United Kingdom	Euro-PCT Application	22 Apr 2003	03721832.8	04 Jan 2012	1499709	Promoter and Plasmid System for Genetic Engineering
NB30854-JP-DIV[2]	Japan	National Patent Divisional	22 Apr 2003	2010-156143	14 Jun 2013	5291673	Promoter and Plasmid System for Genetic Engineering
NB30854-JP-PCT	Japan	PCT Application	22 Apr 2003	2003-586334			Promoter and Plasmid System for Genetic Engineering
NB30854-NL-EPT	Netherlands	Euro-PCT Application	22 Apr 2003	03721832.8	04 Jan 2012	1499709	Promoter and Plasmid System for Genetic Engineering
NB40694-IN-PSP	India	Provisional Application	05 Dec 2014	3557/DEL/2014			METHOD OF DESULPHITATION OF SUGAR
NB41222-WO-PCT	International Procedure	PCT Application	16 Jan 2018	PCT/US18/13776			MODIFIED YEAST CELLS THAT OVEREXPRESS A DNA POLYMERASE SUBUNIT
NB41260-WO-PCT	International Procedure	PCT Application	14 Nov 2017	PCT/CN2017/110873			ALPHA-AMYLASE, COMPOSITION AND METHOD
CL6530-AU-PCT	Australia	PCT Application	02 Jun 2017	2017274520			PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOLVENT
CL6530-CA-PCT	Canada	PCT Application	02 Jun 2017	3025566			PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOLVENT
CL6530-ZA-PCT	South Africa	PCT Application	02 Jun 2017	2018/07827			PROCESS FOR THE PRODUCTION OF FURFURAL USING A WATER IMMISCIBLE ORGANIC SOLVENT
CL6572-AU-PCT	Australia	PCT Application	25 Oct 2017	2017348076			RUBBER COMPOSITIONS COMPRISING POLYSACCHARIDES
BC1009-JP-PCT	Japan	PCT Application	03 Aug 2000	515856/01	22 Jul 2011	4786844	BIOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID
BC1009-US-NP	United States Of America	National Patent	27 Jul 2000	09/627216	09 Apr 2002	6368837	BIOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID

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CL1727-US-DIV	United States Of America	National Patent Divisional	15 Jul 2005	11/182680	19 Feb 2008	7331233	METHOD AND APPARATUS FOR ULTRASONIC SIZING OF PARTICLES
CL1727-US-PCT	United States Of America	PCT Application	18 Dec 2001	10/433868	14 Mar 2006	7010979	METHOD AND APPARATUS FOR ULTRASONIC SIZING OF PARTICLES
CL1777-US-NP	United States Of America	National Patent	03 May 2002	10/138970	12 Sep 2006	7105326	METHODS FOR THE PRODUCTION OF TYROSINE, CINNAMIC ACID AND PARA-HYDROXYCINNAMIC ACID
CL2598-US-NP	United States Of America	National Patent	13 Apr 2005	11/105259	23 Aug 2011	8003356	METHODS FOR THE PREPARATION OF PARA-HYDROXYCINNAMIC ACID AND CINNAMIC ACID AT ALKALINE PH
CL2813-JP-PCT	Japan	PCT Application	09 Nov 2005	541296/07	15 Jul 2011	4782796	ION SOURCE FOR A MASS SPECTROMETER
CL2813-US-NP	United States Of America	National Patent	22 Aug 2006	11/508444	05 Jan 2010	7642510	ION SOURCE FOR A MASS SPECTROMETER
CL2912-US-NP	United States Of America	National Patent	30 Apr 2010	12/771078	09 Sep 2014	8828181	TEMPERATURE SWITCHABLE ADHESIVES COMPRISING A CRYSTALLIZABLE OIL
CL3305-DE-EPA	Germany	European Application	25 May 2007	07010430.2	19 Oct 2011	6020070179 23.8	METHOD FOR PRODUCING AN L-TYROSINE OVER-PRODUCING BACTERIAL STRAIN
CL3305-EP-EPA	European Procedure (Patents)	European Application	25 May 2007	07010430.2	19 Oct 2011	1873249	METHOD FOR PRODUCING AN L-TYROSINE OVER-PRODUCING BACTERIAL STRAIN
CL3305-GB-EPA	United Kingdom	European Application	25 May 2007	07010430.2	19 Oct 2011	1873249	METHOD FOR PRODUCING AN L-TYROSINE OVER-PRODUCING BACTERIAL STRAIN
CL3305-US-NP	United States Of America	National Patent	07 Jun 2006	11/448331	20 Apr 2010	7700328	METHOD FOR PRODUCING AN L-TYROSINE OVER-PRODUCING BACTERIAL STRAIN
CL3434-US-NP	United States Of America	National Patent	11 Jul 2006	11/485558	11 Aug 2009	7572612	METHOD OF PRODUCTION OF PARA-HYDROXYCINNAMIC ACID USING A THERMOSTABLE TAL ENZYME

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CL3466-US-NP	United States Of America	National Patent	12 Jul 2006	11/485575	29 Oct 2013	8569036	IMMOBILIZED TAL BIOCATALYST FOR PRODUCTION OF PARA-HYDROXYCINNAMIC ACID