

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3126130

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DSM IP ASSETS B.V.	03/11/2014
RECEIVING PARTY DATA	
Name:	JLL/DELTA DUTCH NEWCO B.V.
Street Address:	KABELWEG 37
City:	AMSTERDAM
State/Country:	NETHERLANDS
Postal Code:	1014 BA
PROPERTY NUMBERS Total: 23	
Property Type	Number
Application Number:	11206574
Application Number:	10481303
Application Number:	13478307
Application Number:	11794246
Application Number:	11667381
Application Number:	13372069
Application Number:	13707115
Application Number:	13397323
Application Number:	12307995
Application Number:	12301113
Application Number:	12442162
Application Number:	12667414
Application Number:	13939983
Application Number:	12810220
Application Number:	13055572
Application Number:	13265178
Application Number:	13578679
Application Number:	13637484
Application Number:	12745611
Application Number:	13881201
Application Number:	13979719

PATENT

Property Type	Number
Application Number:	10332403
Application Number:	14126677

CORRESPONDENCE DATA

Fax Number: (703)739-2815

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: iprecordals@cpaglobal.com, rzahoori@cpaglobal.com

Correspondent Name: CPA GLOBAL LIMITED

Address Line 1: LIBERATION HOUSE

Address Line 2: CASTLE STREET

Address Line 4: ST HELIER, JERSEY JE1 1BL

NAME OF SUBMITTER:	HELEN BIRRELL
SIGNATURE:	/H/BIRRELL/IPR/RZ/PIERCE ATWOOD/AG 23PT/
DATE SIGNED:	12/01/2014

Total Attachments: 45

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ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS (this "Assignment"), is made and entered into on this 11th day of March, 2014 (the "Effective Date"), by and between DSM, I.P. Assets B.V., a private limited liability company incorporated in The Netherlands, having its principal office at Het Overloon 1, Heerlen, Netherlands 6411 TE (hereinafter "Assignor"), and JLL/Delta Dutch Newco B.V., a private company with limited liability incorporated in The Netherlands, having a registered office at Kabelweg 37, 1014BA Amsterdam, Netherlands (hereinafter "Assignee") (each, a "Party" and collectively, the "Parties"). All capitalized terms used, but not defined herein, shall have the meanings ascribed to such terms in the Contribution Agreement (defined herein below).

WHEREAS, Assignor has been issued certain patents and/or filed for granting of certain patents with the registrar of patents in the jurisdictions denominated in Schedule A attached (the "Assigned Patents"); and

WHEREAS, pursuant to that Contribution Agreement dated as of November 18, 2013 (the "Contribution Agreement") entered into by Koninklijke DSM N.V. ("DSM") and certain Affiliates of Assignee, DSM has agreed to cause Assignor to sell, convey, assign and transfer to Assignee, all of Assignor's right, title, and interest in and to the Assigned Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, the parties agree as follows:

1. Conveyance. Assignor does hereby sell, convey, assign and transfer to Assignee all of Assignor's right, title and interest in and to (i) the Assigned Patents, and all renewals, related continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and (ii) all benefits, privileges, causes of action, and remedies relating thereto throughout the world, including, without limitation, all of Assignor's rights to: (a) apply for and maintain all registrations, renewals and/or extensions thereof; (b) claim priority under United States law or international convention, (c) bring actions and recover damages for past, present and future infringement or other violation thereof; and (d) grant licenses or other interests therein.

2. Recordation. Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks and any other applicable governmental entity or registrar (including any applicable foreign or international office or registrar) to record Assignee as the owner of the Assigned Patents and to issue any and all Assigned Patents to Assignee, as assignee of Assignor's entire right, title and interest in, to, and under the same. Assignee shall have the right to record this Assignment with all applicable governmental authorities and registrars so as to perfect its ownership of the Assigned Patents.

3. Further Assurances. Assignor shall provide Assignee and its successors and assigns reasonable cooperation and assistance at Assignee's request and expense (including the execution and delivery of any and all affidavits, declarations, oaths, exhibits, assignments, powers of attorney or other documentation as may be reasonably required) as are reasonably requested by Assignee to effect, register or maintain the rights assigned herein, including: (a) the

preparation and prosecution by Assignee of any applications or registrations assigned herein; and (b) the prosecution or defense by Assignee of any opposition or other proceeding that may arise in connection with any of the rights assigned herein, including, but not limited to, testifying as to the fact of the assignment of rights hereunder.

4. No Modification. Nothing contained in this Assignment is intended to or shall be deemed to modify, alter, amend or otherwise change any of the rights or obligations of Assignor and Assignee and their respective Affiliates or other related entities under the Contribution Agreement.

5. Binding Effect. This Assignment shall inure to the benefit of and be binding upon the Parties and their respective successors and assigns.

6. Counterparts. This Assignment may be signed in any number of counterparts, each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument. This Assignment shall become effective when each Party shall have received a counterpart hereof signed by the other Party. For the convenience of the Parties, any number of counterparts hereof may be executed, each such executed counterpart shall be deemed an original and all such counterparts together shall constitute one and the same instrument.

7. Descriptive Headings. The descriptive headings herein are inserted for convenience of reference only and are not intended to be part of or to affect the meaning or interpretation of this Assignment.

8. Costs. Assignee will pay all costs associated with effecting the transfer of the Assigned Patents to Assignee.

9. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the State of New York, regardless of the laws that might otherwise govern under applicable principles of conflicts of laws thereof.

10. Severability. If any term or provision of this Assignment of Patents is found by a court of competent jurisdiction to be invalid, illegal or otherwise unenforceable, such invalidity, illegality or unenforceability will not affect the other terms or provisions hereof or the whole of this Assignment of Patents, but such term or provision will be deemed modified to the extent necessary in the court's opinion to render such term or provision valid, legal and enforceable, and the rights and obligations of the Parties will be construed and enforced accordingly, preserving to the fullest permissible extent the intent and agreements of the Parties set forth herein.

[Signature Page Follows.]

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed
as of the date above first written.

ASSIGNOR:

DSM IP Assets B.V.

By: _____

Name: *GH van Binstbergen*

Title: *Director*

ASSIGNOR:

DSM IP Assets B.V.

By: _____

Name:

Title:

Acknowledged and Accepted:

ASSIGNEE:

JLL/Delta Dutch Newco B.V.

By: _____

Name:

Title:

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed
as of the date above first written.

ASSIGNOR:

DSM IP Assets B.V.

By: _____

Name: *Joel van der Meulen*

Title: *Director*

ASSIGNOR:

DSM IP Assets B.V.

By: _____

Name: *PRBSINGER*

Title: *DIRECTOR*

Acknowledged and Accepted:

ASSIGNEE:

JLL/Delta Dutch Newco B.V.

By: _____

Name:

Title:

NY6189725.2

Schedule A

Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			Filing [Critical Dates]	Filing Number [Critical Dates]			
2006-01-01	FC-STATAL HOGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOXES AND 2,4,6- TRIDEOXYHEXOXES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844
2006-01-01	FC-STATAL HOGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOXES AND 2,4,6- TRIDEOXYHEXOXES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844
2006-01-01	FC-STATAL HOGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOXES AND 2,4,6- TRIDEOXYHEXOXES	09 Jul 2002	02813942.9	DSM IP Assets B.V.	1526019	0281394 2.9
2006-01-01	FC-STATAL HOGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOXES AND 2,4,6- TRIDEOXYHEXOXES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	5021867 8.1
2006-01-01	FC-STATAL HOGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOXES AND 2,4,6- TRIDEOXYHEXOXES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844
2006-01-01	FC-STATAL HOGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOXES AND 2,4,6- TRIDEOXYHEXOXES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2005-000009	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	PA/A/220403 0310	DSM IP Assets B.V.	DSM IP Assets B.V.		254823
2005-000010	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	02745200.1	DSM IP Assets B.V.	DSM IP Assets B.V.	1404844	1404844
2005-000011	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	11/206574	DSM IP Assets B.V.	DSM IP Assets B.V.	US2005- 0287660 A1	7439046
2005-000012	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	10/481,303	DSM IP Assets B.V.	DSM IP Assets B.V.	US-2004- 0171125- A1	6984863
2005-000013	BIO-ATF RETENTION		10 Apr 2013	AU201320346 1	DSM IP Assets B.V.	DSM IP Assets B.V.		
2005-000014	BIO-ATF RETENTION		11 Apr 2013	AU201320399 3	DSM IP Assets B.V.	DSM IP Assets B.V.		
2005-000015	BIO-ATF RETENTION		11 Apr 2013	AU201320399 5	DSM IP Assets B.V.	DSM IP Assets B.V.		
2005-000016	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	AU200522935 9	DSM IP Assets B.V.	DSM IP Assets B.V.		
2005-000017	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	2557046	DSM IP Assets B.V.	DSM IP Assets B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			[Critical Dates]	Number [Critical Dates]			
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	2011-036102	DSM IP Assets B.V.		
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	2011-036102	DSM IP Assets B.V.		
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	2007-501239	DSM IP Assets B.V.	2007-525584	
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	2006-7018076	DSM IP Assets B.V.		10-1050685
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	2006-06030-5	DSM IP Assets B.V.		125377
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	23 May 2012	13476307	DSM IP Assets B.V.	US2013026885	
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	14 Oct 2013	14052876	DSM IP Assets B.V.		
2007-036102	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	10591118	DSM IP Assets B.V.	2008-0131934	US82069
2007-036102	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP0582391.1	DSM IP Assets B.V.	EP1833769	EP18337

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
EP 183378	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP05823911.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP183378	EP183378
EP 183378	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP05823911.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP183378	EP183378
EP 183378	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP05823911.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP183378	EP183378
EP 183378	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP05823911.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP183378	EP183378
EP 183378	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP05823911.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP183378	EP183378
EP 183378	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP05823911.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP183378	EP183378
EP 183378	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP05823911.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP183378	EP183378

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Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			Critical [Dates]	Number [Dates]			
CA 25570	COMP. ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	11/067381	DSM IP Assets B.V.	DSM IP Assets B.V.	7834223
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.	EA01845 1
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	13 Jul 2007	070103142	DSM IP Assets B.V.	DSM IP Assets B.V.	
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	15 Aug 2011	2011211462	DSM IP Assets B.V.	DSM IP Assets B.V.	
CA 25570	PERFUSED BATCH		11 Apr 2013	AU201320401 6	DSM IP Assets B.V.	DSM IP Assets B.V.	
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	2007272054	DSM IP Assets B.V.	DSM IP Assets B.V.	
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.	EA01845 1
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	0714347-8	DSM IP Assets B.V.	DSM IP Assets B.V.	
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.	EA01845 1
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	2657040	DSM IP Assets B.V.	DSM IP Assets B.V.	CA25570 40
CA 25570	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	13 Jul 2007	2050-2007	DSM IP Assets B.V.	DSM IP Assets B.V.	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	PGT/EP2007/005915	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	07 Jan 2011	2011-002379	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	12 Jun 2012	2012-133156	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	2009-519819	DSM IP Assets B.V.	DSM IP Assets B.V.	2009-543565	JP50921 29
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.		EA01645 1
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	13 Jan 2009	2012-700823	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	18 Jan 2013	KR201370013 72	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	2009-700636	DSM IP Assets B.V.	DSM IP Assets B.V.		10-1143796
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.		EA01645 1
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.		EA01645 1
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	23 Sep 2013	MX/a/2013/01 0858	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	MX/a/2009/00 0522	DSM IP Assets B.V.	DSM IP Assets B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2007-01-10	O. Z. 1313 DPC- PREPARATION OF AN ESTERASE	PREPARATION OF AN ESTERASE	04 Jul 2008	PCT/EP2008/ 050731	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007-01-10	O. Z. 1313 DPC- PREPARATION OF AN ESTERASE	PREPARATION OF AN ESTERASE	04 Jul 2008	2010-514010	DSM IP Assets B.V.	DSM IP Assets B.V.	2010- 531658	
2007-01-10	O. Z. 1313 DPC- PREPARATION OF AN ESTERASE	PREPARATION OF AN ESTERASE	04 Jul 2008	12/557414	DSM IP Assets B.V.	DSM IP Assets B.V.	2011- 0177553	
2007-01-10	N-COMPRISING BUILDING BLOCKS f ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00
2007-01-10	N-COMPRISING BUILDING BLOCKS f ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00
2007-01-10	N-COMPRISING BUILDING BLOCKS f ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	2008012740 6.9	DSM IP Assets B.V.	DSM IP Assets B.V.	101962242 A	
2007-01-10	N-COMPRISING BUILDING BLOCKS f ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	8020080 28196.1
2007-01-10	N-COMPRISING BUILDING BLOCKS f ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical] Dates]	Filing Number [Critical] Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
EP03866461	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP03866461.3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP2225200	EP2225200
EP03866462	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP03866462.3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP2225200	EP2225200
EP03866463	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP03866463.3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP2225200	EP2225200
EP03866464	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP03866464.3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP2225200	EP2225200
EP03866465	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP03866465.4	DSM IP Assets B.V.	DSM IP Assets B.V.	EP2225200	EP2225200
EP03866466	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP03866466.4	DSM IP Assets B.V.	DSM IP Assets B.V.	EP2225200	EP2225200
EP03866467	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP03866467.4	DSM IP Assets B.V.	DSM IP Assets B.V.	EP2225200	EP2225200

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owners/s	Registered Owners/s	Publication Number	Grant Number
2008-01-01	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	12101742.5	DSM IP Assets B.V.	DSM IP Assets B.V.	HK116159	2
2008-01-01	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	370DELNP/2 011	DSM IP Assets B.V.	DSM IP Assets B.V.		
2008-01-01	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	DSM IP Assets B.V.	EP231338	EP231338
2008-01-01	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	2011-519179	DSM IP Assets B.V.	DSM IP Assets B.V.	2011-528699	
2008-01-01	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	MX/a/2011/00 0863	DSM IP Assets B.V.	DSM IP Assets B.V.		
2008-01-01	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	DSM IP Assets B.V.	EP231338	EP231338
2008-01-01	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	DSM IP Assets B.V.	EP231338	EP231338

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owners/s	Registered Owners/s	Publication Number	Grant Number
2012-01-20	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	BR112012020 2545	DSM IP Assets B.V.	DSM IP Assets B.V.		
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	CA2787897	DSM IP Assets B.V.	DSM IP Assets B.V.		
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	2012-02125	DSM IP Assets B.V.	DSM IP Assets B.V.	2012-02125	
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	20118000942 0.0	DSM IP Assets B.V.	DSM IP Assets B.V.	CN102762 585A	
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	EA201201132	DSM IP Assets B.V.	DSM IP Assets B.V.		
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	EP11702653 4	DSM IP Assets B.V.	DSM IP Assets B.V.	EP233416 9	
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	25 Apr 2013	HK13105032 4	DSM IP Assets B.V.	DSM IP Assets B.V.	HK117817 4	
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	07 May 2013	HK13105480 1	DSM IP Assets B.V.	DSM IP Assets B.V.	HK117762 0	
2012-02-15	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	221072	DSM IP Assets B.V.	DSM IP Assets B.V.	221072	

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Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			[Critical Dates]	Number [Critical Dates]			
2008-01-01	R-SELECTIVE TRANSAMINASE	(R)-SELECTIVE AMINATION	14 Jul 2011	EP11733337.6	DSM IP Assets B.V.	EP2593556	
2008-01-01	R-SELECTIVE TRANSAMINASE	(R)-SELECTIVE AMINATION	14 Jul 2011	397DELNP/2 013	DSM IP Assets B.V.		
2008-01-01	R-SELECTIVE TRANSAMINASE	(R)-SELECTIVE AMINATION	14 Jul 2011	2013-519103	DSM IP Assets B.V.	JP2013530713	
2008-01-01	R-SELECTIVE TRANSAMINASE	(R)-SELECTIVE AMINATION	14 Jul 2011	MX/a/2013/00 0494	DSM IP Assets B.V.		
2008-01-01	R-SELECTIVE TRANSAMINASE	(R)-SELECTIVE AMINATION	14 Jul 2011	137610004	DSM Pharma Chemicals		
2008-01-01	CONTINUOUS POLYMERIZATION	PROCESS FOR CONTINUOUS EMULSION POLYMERIZATION	01 Apr 2011	20116001787 95	DSM IP Assets B.V.	CN102834419A	
2008-01-01	CONTINUOUS POLYMERIZATION	PROCESS FOR CONTINUOUS EMULSION POLYMERIZATION	01 Apr 2011	EP11713240.7	DSM IP Assets B.V., DSM Fine Chemicals Austria Mfg GmbH & Co KG	EP2552970	
2008-01-01	CONTINUOUS POLYMERIZATION		11 Jun 2013	13106890.3	DSM IP Assets B.V.	HK1179284	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
0000000001	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	20086011911	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	CN101883 631A	
0000000002	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	20100936	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
0000000003	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	EP0886838.4	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
0000000004	SYSTEM AND METHOD FOR PRODUCING HIGH DENSITY BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	10 May 2011	11104616.3	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		HK11505 68
0000000005	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	2008033	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	200933	
0000000006	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	3910DELNP/ 2010	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
0000000007	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	2010-535409	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	2011- 505237	
0000000008	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	2010-7014660	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
0000000009	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	MA/201000 6053	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2000-01-01	A BED ADSORPTION SYSTEM	A BED ADSORPTION SYSTEM	10 May 2001	523049	DSM IP ASSETS B.V.	UpFront Chromatography A/S	523049	523049
2000-01-01	A BED ADSORPTION SYSTEM	A BED ADSORPTION SYSTEM	10 May 2001	11/224077	DSM IP ASSETS B.V.	UpFront Chromatography A/S	200606053	7226535
2000-01-01	A BED ADSORPTION SYSTEM	A BED ADSORPTION SYSTEM	10 May 2001	10/275873	DSM IP ASSETS B.V.	UpFront Chromatography A/S	200404835	6877046
2000-01-01	FLUIDISED BED PURIFICATION	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BACTERIA, VIRUSES	24 Mar 2000	EP00912411.6	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1165201	EP1165201
2000-01-01	FLUIDISED BED PURIFICATION	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BACTERIA, VIRUSES	24 Mar 2000	EP00912411.6	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1165201	EP1165201
2000-01-01	FLUIDISED BED PURIFICATION	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BACTERIA, VIRUSES	24 Mar 2000	EP00912411.6	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1165201	EP1165201

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
EP 03078126	FLUIDISED BED ADSORPTION SYSTEM	EXPANDED BED ADSORPTION SYSTEM	18 Jun 1999	09719781	DSM IP Assets B.V.	UpFront Chromatography A/S		6839326
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	1997-0041123	DSM IP Assets B.V.	UpFront Chromatography A/S	725039	725039
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP97938601.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP0921855	EP0921855
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	1997-2264177	DSM IP Assets B.V.	UpFront Chromatography A/S	Z264177	
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP0921855	EP0921855

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			[Critical Dates]	Number [Critical Dates]			
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP 03078126 4	DSM IP Assets B.V.	EP 138686 0	EP 138686 60
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP 03078126 4	DSM IP Assets B.V.	EP 138686 0	EP 138686 60
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP 03078126 4	DSM IP Assets B.V.	EP 138686 0	EP 138686 60
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	11/096391	DSM IP Assets B.V.	200501761 22	7442779
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 2007	11/096391	DSM IP Assets B.V.	200601326 83	7745582
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	10/268867	DSM IP Assets B.V.	200301872 27	6919436
EP 03078126	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	09/147868	DSM IP Assets B.V.	6486236	
EP 03078126	SUBSTANCE CARRYING CONGLOMERATE	SUBSTANCE CARRYING CONGLOMERATE	08 Jul 1991	09/003630	DSM IP ASSETS B.V.	6042087	
EP 03078126	SUBSTANCE CARRYING CONGLOMERATE	SUBSTANCE CARRYING CONGLOMERATE	08 Jul 1991	09/004316	DSM IP ASSETS B.V.	5386036	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owners	Registered Owners	Publication Number	Grant Number
2010010001	CONTINUOUS PRODUCTION AND REACTION OF DIAZO COMPOUND	CONTINUOUS PRODUCTION AND REACTION OF A DIAZO COMPOUND	01 Nov 2011	13673589	DSM IP Assets B.V./DSM Fine Chemicals Austria GmbH & Co KG	DSM IP Assets B.V./DSM Fine Chemicals Austria GmbH & Co KG		
2010010002	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	23 Oct 2011	20110104019	DSM IP Assets B.V.	DSM IP ASSETS B.V.		
2010010003	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	AU201132534 1	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010010004	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	CA2814781	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010010005	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	CN201180052 246.8	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	CN103188 390A	
2010010006	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	201300524	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010010007	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	EP11769873 8	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	EP263559 9	
2010010008	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	225720	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owners/s	Registered Owners/s	Publication Number	Grant Number
2010-000001	OSCILLATING FLOW MINIREACTOR	OSCILLATING FLOW MINIREACTOR	13 Jan 2011	PCT/EP2011/050386	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000002	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	14 Jun 2012	2012 02118	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000003	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	AU201226924 0	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000004	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000005	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000006	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000007	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000008	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2010-000009	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	EP12729090 6	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2004S-WO-PCT	LUBRICIOUS COATINGS	LUBRICIOUS COATINGS	12 Nov 2012	101142017	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	TW201329 171	
2004S-WO-PCT	LUBRICIOUS COATINGS	LUBRICIOUS COATINGS	09 Nov 2012	PCT/EP2012/072210	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	WO201306 8613	
2004S-WO-PCT	MFA for FLAP	PROCESS FOR THE MANUFACTURE OF METHYLFLUOROACRYLATE	25 Jun 2013	PCT/EP2013/053324	DSM IP ASSETS B.V., DSM Fine Chemicals Austria GmbH & Co KG	DSM IP ASSETS B.V., DSM Fine Chemicals Austria GmbH & Co KG		
2002S-WO-PCT	FLAP	PROCESS FOR DRYING POLYMERIC MATERIALS	09 Aug 2013	PCT/EP2013/066713	DSM IP ASSETS B.V., DSM Fine Chemicals Austria GmbH & Co KG	DSM IP ASSETS B.V., DSM Fine Chemicals Austria GmbH & Co KG		
2011U-PCT	Gignard reagent fluidized bed		27 Jun 2013	EP13173979.9	DSM IP Assets B.V.	DSM IP Assets B.V.		
2004S-WO-PCT	BINO 19 reduction hydrolysis		21 Aug 2013	EP13181436.8	DSM IP Assets B.V.	DSM IP Assets B.V.		
4286 AT-EPT	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013 1325013	1325013
4286 AT-EPT	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013 1325013	1325013
4286 AT-EPT	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	2414202	DSM IP Assets B.V.	DSM IP Assets B.V.		2414202
4286 AT-EPT	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013 1325013	1325013

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	20061014997 3.7	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	CN167401 0A	ZL20061 0149973.7
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001		01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	PV 2003-41		DSM IP Assets B.V.	DSM IP Assets B.V.		304071
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	6012309 3.0-08
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	15/CHENP/20 03		DSM IP Assets B.V.	DSM N.V.		208640
FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4		DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical] Dates	Filing Number [Critical] Dates	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
201001252	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/ 060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
201001253	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/ 060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
201001254	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/ 060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
201001255	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/ 060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
201001256	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/ 060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
201001257	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Jun 2012	101121006	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	TW201302 777	
201001258	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	08 Jun 2012	PCT/EP2012/ 060885	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
201001259	IMPROVED ANTIBODY PURIFICATION WITH MIMO	SINGLE UNIT CHROMATOGRAPHY ANTIBODY PURIFICATION	15 Jun 2012	00751-2012	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
201001260	BINO Synthesis	SYNTHESIS OF R- BIPHENYLALANINOL	15 Aug 2012	PCT/EP2012/ 065539	DSM IP Assets B.V.	DSM IP Assets B.V.	WO201217 1853	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical] Dates	Filing Number	Legal Owners/s	Registered Owners/s	Publication Number	Grant Number
2011-01-01	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	3836DELNP/ 2013	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2011-01-01	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	2013-635350	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2011-01-01	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	KR201370134 90	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2011-01-01	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	MX/8/2013/00 4720	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2011-01-01	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	31 Oct 2011	100139564	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	TW201229 058	
2011-01-01	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	13 Oct 2011	13881201	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	US201302 89247	
2011-01-01	IN-LINE AEX-CEX ANTIBODY PURIFICATION	SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION	01 Nov 2011	1430-2011	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		
2011-01-01	OSCILLATING FLOW MINIREACTOR	OSCILLATING FLOW MINIREACTOR	13 Jan 2011	CN201180064 961.3	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	CN103328 092A	
2011-01-01	OSCILLATING FLOW MINIREACTOR	OSCILLATING FLOW MINIREACTOR	13 Jan 2011	EP14700174 3	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	EP265339 8	
2011-01-01	OSCILLATING FLOW MINIREACTOR	OSCILLATING FLOW MINIREACTOR	13 Jan 2011	6136DELNP/ 2013	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
034282-0001	SUBSTANCE CARRYING CONGLOMERATE	SUBSTANCE CARRYING CONGLOMERATE	08 Jul 1991	07/971860	DSM IP ASSETS B.V.	Upfront Chromatography A/S		5835442
034282-0002	CONTINUOUS PRODUCTION AND REACTION OF DIAZO COMPOUND	CONTINUOUS PRODUCTION AND REACTION OF A DIAZO COMPOUND	01 Nov 2011	2011005265 1X	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG	CN103189346A	
034282-0003	CONTINUOUS PRODUCTION AND REACTION OF DIAZO COMPOUND	CONTINUOUS PRODUCTION AND REACTION OF A DIAZO COMPOUND	01 Nov 2011	EP11773684.0	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG	EP2635548	
034282-0004	CONTINUOUS PRODUCTION AND REACTION OF DIAZO COMPOUND	CONTINUOUS PRODUCTION AND REACTION OF A DIAZO COMPOUND	07 Nov 2013	13112523.6	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG		
034282-0005	CONTINUOUS PRODUCTION AND REACTION OF DIAZO COMPOUND	CONTINUOUS PRODUCTION AND REACTION OF A DIAZO COMPOUND	01 Nov 2011	3832DELNP/2013	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG		
034282-0006	CONTINUOUS PRODUCTION AND REACTION OF DIAZO COMPOUND	CONTINUOUS PRODUCTION AND REACTION OF A DIAZO COMPOUND	01 Nov 2011	2013-035464	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V.; DSM Fine Chemicals Austria Nfg GmbH & Co KG		

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Case Reference	Internal Title	English [Official Titles]	Filing		Legal Owners	Registered Owners	Publication Number	Grant Number
			[Critical Dates]	[Critical Dates]				
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP97938601.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP0921855	EP0921855
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP97938601.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP0921855	EP0921855
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP97938601.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP0921855	EP0921855
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	EP03078126.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP1386660	EP1386660
01 Sep 1997	ISOLATION OF IMMUNOGLOBULINS	ISOLATION OF IMMUNOGLOBULINS	01 Sep 1997	1998-0511162	DSM IP Assets B.V.	UpFront Chromatography A/S	200101095	4425994

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owners/s	Registered Owners/s	Publication Number	Grant Number
EP0091241.1	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BBACTERIA, VIRUSES	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BBACTERIA, VIRUSES	24 Mar 2000	EP0091241.1 6	DSM IP Assets B.V.	UpFront Chromatography A/S	EP116520 1	EP11652 01
EP0091241.1	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BBACTERIA, VIRUSES	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BBACTERIA, VIRUSES	24 Mar 2000	EP0091241.1 6	DSM IP Assets B.V.	UpFront Chromatography A/S	EP116520 1	EP11652 01
EP0091241.1	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BBACTERIA, VIRUSES	FLUIDISED BED PURIFICATION OF BIO-MACROMOLECULES SUCH AS PLASMID DNA, CHROMOSOMAL DNA, RNA, VIRAL DNA, BBACTERIA, VIRUSES	24 Mar 2000	09/936925	DSM IP Assets B.V.	UpFront Chromatography A/S	EP108782 8	6783662
EP0091241.1	EXPANDED BED ADSORPTION SYSTEM	EXPANDED BED ADSORPTION SYSTEM	18 Jun 1999	99927730.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP108782 8	EP10878 28
EP0091241.1	EXPANDED BED ADSORPTION SYSTEM	EXPANDED BED ADSORPTION SYSTEM	18 Jun 1999	99927730.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP108782 8	6993959 0.9-03
EP0091241.1	EXPANDED BED ADSORPTION SYSTEM	EXPANDED BED ADSORPTION SYSTEM	18 Jun 1999	99927730.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP108782 8	EP10878 28
EP0091241.1	EXPANDED BED ADSORPTION SYSTEM	EXPANDED BED ADSORPTION SYSTEM	18 Jun 1999	99927730.4	DSM IP Assets B.V.	UpFront Chromatography A/S	EP108782 8	EP10878 28

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Case Reference	Internal Title	English [Official Titles]	Filing		Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
			[Critical Dates]	[Critical Dates]						
2008-0001	CONTINUOUS POLYMERIZATION	PROCESS FOR CONTINUOUS EMULSION POLYMERIZATION	01 Apr 2011	8424DELNP/ 2012	DSM IP Assets B.V.	DSM IP Assets B.V., DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V., DSM Fine Chemicals Austria Nfg GmbH & Co KG			
2008-0002	CONTINUOUS POLYMERIZATION	PROCESS FOR CONTINUOUS EMULSION POLYMERIZATION	01 Apr 2011	2013-501867	DSM IP Assets B.V.	DSM IP Assets B.V., DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V., DSM Fine Chemicals Austria Nfg GmbH & Co KG	JP2013523 833		
2008-0003	CONTINUOUS POLYMERIZATION	PROCESS FOR CONTINUOUS EMULSION POLYMERIZATION	01 Apr 2011	13/537484	DSM IP Assets B.V., DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V., DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V., DSM Fine Chemicals Austria Nfg GmbH & Co KG	US201301 23427		
2008-0004	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	2008335237	DSM IP Assets B.V.	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.			AU20063 33237
2008-0005	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	P0820009-4	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.			
2008-0006	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	02 Dec 2008	2707244	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.			
2008-0007	SYSTEM AND METHOD FOR PRODUCING BEADS	SYSTEM AND METHOD FOR PRODUCING BEADS	07 Jun 2010	601-2010	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.	DSM IP ASSETS B.V.		601-2010	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	65510DELNP/ 2012	DSM IP Assets B.V.	DSM IP Assets B.V.		
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	2012-552397	DSM IP Assets B.V.	DSM IP Assets B.V.	JP2013519 652	
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	KR201270237 24	DSM IP Assets B.V.	DSM IP Assets B.V.		
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	MX/a2012/00 9283	DSM IP Assets B.V.	DSM IP Assets B.V.		
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	1201004096	DSM IP Assets B.V.	DSM IP Assets B.V.		
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	11 Feb 2011	100104561	DSM IP Assets B.V.	DSM IP Assets B.V.	201144327	
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	13/578679	DSM IP Assets B.V.	DSM IP Assets B.V.	US201301 31318	
2011-01-21	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	11 Feb 2011	000173-2011	DSM IP Assets B.V.	DSM IP Assets B.V.		
2011-01-21	R-SELECTIVE TRANSAMINASE	(R)-SELECTIVE AMINATION	14 Jul 2011	20116003465 8.9	DSM IP Assets B.V.	DSM IP Assets B.V.	CN103189 519A	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2009-000001	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	201100228-4	DSM IP Assets B.V.	DSM IP Assets B.V.		163168
2009-000002	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	13/056572	DSM IP Assets B.V.	DSM IP Assets B.V.		
2009-000003	PLE QUARTENARY	IMPROVED PIG LIVER ESTERASES	26 Apr 2010	20106001817 7.4	DSM IP Assets B.V.	DSM IP Assets B.V.	CN102439 142A	
2009-000004	PLE QUARTENARY	IMPROVED PIG LIVER ESTERASES	26 Apr 2010	EP10715251 4	DSM IP Assets B.V.	DSM IP Assets B.V.	EP242196 2	
2009-000005	PLE QUARTENARY	IMPROVED PIG LIVER ESTERASES	26 Apr 2010	12110994.1	DSM IP Assets B.V.	DSM IP Assets B.V.	HK117026 4	
2009-000006	PLE QUARTENARY	IMPROVED PIG LIVER ESTERASES	26 Apr 2010	7907DELNP/ 2011	DSM IP Assets B.V.	DSM IP Assets B.V.		
2009-000007	PLE QUARTENARY	IMPROVED PIG LIVER ESTERASES	26 Apr 2010	2012-506531	DSM IP Assets B.V.	DSM IP Assets B.V.	JP2012524 535	
2009-000008	PLE QUARTENARY	IMPROVED PIG LIVER ESTERASES	26 Apr 2010	13/255178	DSM IP Assets B.V.	DSM IP Assets B.V.	US201201 00582	
2009-000009	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	11 Feb 2011	20110100422	DSM IP Assets B.V.	DSM IP Assets B.V.		
2009-000010	SINGLE-UNIT ANTIBODY PURIFICATION	SINGLE UNIT ANTIBODY PURIFICATION	10 Feb 2011	AU201121426 1	DSM IP Assets B.V.	DSM IP Assets B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			[Critical Dates]	Number [Critical Dates]			
2009-01-23	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	2009013741 8.4	DSM IP Assets B.V.	102164903	
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	EP2313386
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	602009004626.8
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	201100264	DSM IP Assets B.V.		
2009-01-23	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	EP2313386
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	602009004626.8
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	602009004626.8
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	201100264	DSM IP Assets B.V.		
2009-01-23	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	EP2313386
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	602009004626.8
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	EP09800073.0	DSM IP Assets B.V.	EP2313386	602009004626.8
	REDUCTIVE AMINATION FOR ALISKIREN	SYNTHESIS ROUTES TO 2(S),4(S),5(S),7(S)-2,7-DIALKYL-4-HYDROXY-5-AMINO-8-ARYLOCTANOYL AMIDES	23 Jul 2009	201100264	DSM IP Assets B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owners/s	Registered Owners/s	Publication Number	Grant Number
2008-0001	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00
2008-0002	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00
2008-0003	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00
2008-0004	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	15 Jul 2011	11107556 0	DSM IP Assets B.V.	DSM IP Assets B.V.	HK115310 9	
2008-0005	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00
2008-0006	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	EP0886585.1 3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP222520 0	EP22252 00
2008-0007	N-COMPRISING BUILDING BLOCKS FOR ALISKIREN	CONVERGENT SYNTHESIS OF RENIN INHIBITORS AND INTERMEDIATES USEFUL THEREIN	19 Dec 2008	4747/DELNP/ 2010	DSM IP Assets B.V.	DSM IP Assets B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2006-01-11	FC-PAL FOR INDAC	PROCESS FOR THE PREPARATION OF A PHENYLALANINE COMPOUND	12 Sep 2007	07818125.2	DSM IP Assets B.V.	DSM IP Assets B.V.	2069518	2069518
2006-01-11	FC-PAL FOR INDAC	PROCESS FOR THE PREPARATION OF A PHENYLALANINE COMPOUND	12 Sep 2007	07818125.2	DSM IP Assets B.V.	DSM IP Assets B.V.	2069518	2069518
2006-01-11	FC-PAL FOR INDAC	PROCESS FOR THE PREPARATION OF A PHENYLALANINE COMPOUND	12 Sep 2007	07818125.2	DSM IP Assets B.V.	DSM IP Assets B.V.	2069518	2069518
2006-01-11	FC-PAL FOR INDAC	PROCESS FOR THE PREPARATION OF A PHENYLALANINE COMPOUND	12 Sep 2007	PCT/EP2007/007945	DSM IP Assets B.V.	DSM IP Assets B.V.		
2006-01-11	FC-PAL FOR INDAC	PROCESS FOR THE PREPARATION OF A PHENYLALANINE COMPOUND	12 Sep 2007	07818125.2	DSM IP Assets B.V.	DSM IP Assets B.V.	2069518	2069518
2006-01-11	FC-PAL FOR INDAC	PROCESS FOR THE PREPARATION OF A PHENYLALANINE COMPOUND	12 Sep 2007	200900430	DSM IP Assets B.V.	DSM IP Assets B.V.		EA 015803
2006-01-11	O.Z. 13-10 Retinsäure	IMPROVED METHOD OF PRODUCTION OF 9-CIS-RETINOIC ACID	27 Sep 2007	12/442162	DSM Fine Chemicals Austria Nfg GmbH & Co KG	DSM IP Assets B.V.		US8536373
2006-01-11	O.Z. 13-13 DPC- PREPARATION OF AN ESTERASE	PREPARATION OF AN ESTERASE	04 Jul 2008	20060002325 3.3	DSM IP Assets B.V.	DSM IP Assets B.V.	101697482 A	
2006-01-11	O.Z. 13-13 DPC- PREPARATION OF AN ESTERASE	PREPARATION OF AN ESTERASE	04 Jul 2008	EP06774807 6	DSM IP Assets B.V.	DSM IP Assets B.V.	EP217106 1	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2007000001	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.		EA01645 1
2007000002	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.		EA01645 1
2007000003	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900188	DSM IP Assets B.V.	DSM IP Assets B.V.		EA01645 1
2007000004	PERFUSED BATCH		17 Jun 2013	10212344	DSM IP Assets B.V.	DSM IP Assets B.V.		
2007000005	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	11 Jul 2007	96125227	DSM IP Assets B.V.	DSM IP Assets B.V.	200813218	
2007000006	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	13 Feb 2012	137372069	DSM IP Assets B.V.	DSM IP Assets B.V.	US20120148063	US82220 01
2007000007	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	08 Dec 2012	13707115	DSM IP Assets B.V.	DSM IP Assets B.V.	US20130095527	
2007000008	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	15 Feb 2012	137397323	DSM IP Assets B.V.	DSM IP Assets B.V.	US20120148107	US84404 58
2007000009	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	127307995	DSM IP Assets B.V.	DSM IP Assets B.V.	201000764 13	8119368
2007000010	COMP DOUBLE PROCESS INTERSIFICATION	PROCESS FOR THE PRODUCTION OF COMPOUNDS VIA HAZARDOUS INTERMEDIATES IN A SERIES OF MICROREACTORS	23 May 2007	20078001906 0.6	DSM IP Assets B.V.	DSM IP Assets B.V.	101455450	7120078 0019060. 6

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	31 Aug 2012	20121032182	DSM IP Assets B.V.	DSM IP Assets B.V.	CN102876 828A	
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	20076002681	DSM IP Assets B.V.	DSM IP Assets B.V.	101490239	
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	200900198	DSM IP Assets B.V.	DSM IP Assets B.V.		EA01845 1
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	PCT/EP2007/005915	DSM IP Assets B.V.	DSM IP Assets B.V.		
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	30 Sep 2010	EP10183677.3	DSM IP Assets B.V.	DSM IP Assets B.V.	EP234336 2	
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	EP07765049.7	DSM IP Assets B.V.	DSM IP Assets B.V.	EP204125 9	
2012-01-01	PERFUSED BATCH		23 May 2013	EP13169693.2	DSM IP Assets B.V.	DSM IP Assets B.V.	EP263424 3	
2012-01-01	PERFUSED BATCH		28 May 2013	EP13169694.0	DSM IP Assets B.V.	DSM IP Assets B.V.	EP263425 0	
2012-01-01	PERFUSED BATCH		28 May 2013	EP13169695.8	DSM IP Assets B.V.	DSM IP Assets B.V.	EP263424 2	
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	19 Jun 2013	13107178.6	DSM IP Assets B.V.	DSM IP Assets B.V.	HK118000 9	
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	22 Jan 2010	10100698.7	DSM IP Assets B.V.	DSM IP Assets B.V.	1137192	
2012-01-01	PERFUSED BATCH	IMPROVED PROCESS FOR THE CULTURING OF CELLS	04 Jul 2007	196322	DSM IP Assets B.V.	DSM IP Assets B.V.	196322	

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
05803818.3	COMP- ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	05803818.3	DSM IP Assets B.V.	DSM IP Assets B.V.	1824868	1824868
05803818.3	COMP- ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	05803818.3	DSM IP Assets B.V.	DSM IP Assets B.V.	1824868	1824868
20058004179	COMP- ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	20058004179 6.3	DSM IP Assets B.V.	DSM IP Assets B.V.	191072751	
05803818.3	COMP- ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	05803818.3	DSM IP Assets B.V.	DSM IP Assets B.V.	1824868	1824868
05803818.3	COMP- ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	05803818.3	DSM IP Assets B.V.	DSM IP Assets B.V.	1824868	1824868
05803818.3	COMP- ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	05803818.3	DSM IP Assets B.V.	DSM IP Assets B.V.	1824868	1824868
35977DELNP/ 2007	COMP- ruthenacycle cat for asymmetric hy	CHIRAL COMPOUND SUITABLE AS A CATALYST FOR ASYMMETRIC TRANSFER HYDROGENATION	10 Nov 2005	35977DELNP/ 2007	DSM IP Assets B.V.	DSM IP Assets B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			[Critical Dates]	[Critical Dates]			
2005-01-01	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTHOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP0582391.1 2	DSM IP Assets B.V.	EP1833789	EP1833789
2005-01-01	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTHOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	20058004518 4.5	DSM IP Assets B.V.	101090986 A	ZL200560045184.5
2005-01-01	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTHOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP0582391.1 2	DSM IP Assets B.V.	EP1833789	EP1833789
2005-01-01	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTHOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP0582391.1 2	DSM IP Assets B.V.	EP1833789	EP1833789 028 917.8
2005-01-01	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTHOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP0582391.1 2	DSM IP Assets B.V.	EP1833789	EP1833789
2005-01-01	DPC - INDAC second generation routes	PROCESS FOR THE PREPARATION OF ENANTHOMERICALLY ENRICHED INDOLINE-2-CARBOXYLIC ACID	22 Dec 2005	EP0582391.1 2	DSM IP Assets B.V.	EP1833789	EP1833789

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Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			[Critical Dates]	Number [Critical Dates]			
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	20050000717 5.4	DSM IP Assets B.V.	1930281	
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	EP06715787.7	DSM IP Assets B.V.	EP1720972	
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	27 Sep 2012	EP12186351.8	DSM IP Assets B.V.	EP2540315	
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	13 Jun 2013	13106988.6	DSM IP Assets B.V.	HK1179548	
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	07108983.9	DSM IP Assets B.V.	1104189	
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	205606	DSM IP Assets B.V.	205606	
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	177724	DSM IP Assets B.V.	177724	
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	17 Jan 2013	555DELNP/2 013	DSM IP Assets B.V.		
20050000717	BIO-ATF RETENTION	PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION	04 Mar 2005	6130DELNP/ 2005	DSM IP Assets B.V.		

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Case Reference	Internal Title	English [Official Titles]	Filing		Registered Owner/s	Publication Number	Grant Number
			[Critical Dates]	Number [Critical Dates]			
00000001	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844
00000002	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844
00000003	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	P0401577	DSM IP Assets B.V.	P 04 01577	228734
00000004	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844
00000005	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	PCT/NL02/00 450	DSM IP Assets B.V.		227929
00000006	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	02746200.1	DSM IP Assets B.V.	1404844	1404844
00000007	FC-STATAL HOGGE CONCENTRATIE - LICENSED OUT	PROCESS FOR THE PREPARATION OF 2,4- DIDEOXYHEXOSES AND 2,4,6- TRIDEOXYHEXOSES	09 Jul 2002	2003-512413	DSM IP Assets B.V.		4246392

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Case Reference	Internal Title	English [Official Titles]	Filing [Critical Dates]	Filing Number [Critical Dates]	Legal Owner/s	Registered Owner/s	Publication Number	Grant Number
FC-FOSFORAMIDITE LIGANDEN	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	2002-509330	DSM IP Assets B.V.	DSM IP Assets B.V.	2004-502543	JP4959374
	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	07 Jul 2000	1015655	DSM IP Assets B.V.	DSM IP Assets B.V.		1015655
FC-FOSFORAMIDITE LIGANDEN	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
FC-FOSFORAMIDITE LIGANDEN	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	01950115.4	DSM IP Assets B.V.	DSM IP Assets B.V.	1325013	1325013
	FC-FOSFORAMIDITE LIGANDEN	CATALYST FOR ASYMMETRIC HYDROGENATION	06 Jul 2001	10332403	DSM IP Assets B.V.	DSM IP Assets B.V.	2003-0196713 A1	6993461
FERMENTATION SYSTEM	FERMENTATION SYSTEM	BIOREACTOR	17 Dec 2013	EP13197753.0	DSM IP Assets B.V.	DSM IP Assets B.V.		

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IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed
as of the date above first written.

ASSIGNOR:

DSM IP Assets B.V.

By: _____

Name:

Title:

ASSIGNOR:

DSM IP Assets B.V.

By: _____

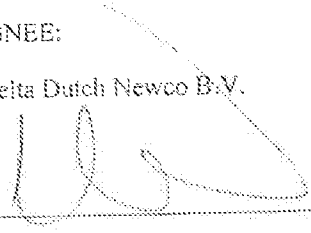
Name:

Title:

Acknowledged and Accepted:

ASSIGNEE:

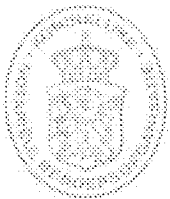
JLL/Delta Dutch Newco B.V.

By:  _____

Name: Daniel Agroskin

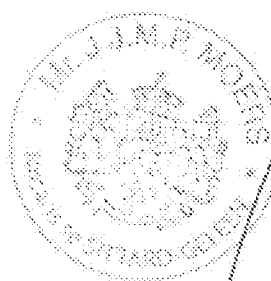
Title: Director A

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Issued in evidence of certification of copy of document presented to me for that purpose
and given back to said after comparison with the copy.

Signed at Sittard-Geleen, by me, mr Joseph Jacques Marie Paul Moers,
civil law notary, residing at Sittard-Geleen, the Netherlands, on this 13th day of August 2014.



Handwritten signature of Mr. Joseph Jacques Marie Paul Moers.