504702347 12/22/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MORPHOSYS AG	12/12/2017

RECEIVING PARTY DATA

Name:	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
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City:	INGELHEIM AM RHEIN
State/Country:	GERMANY
Postal Code:	55216

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12636195

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ATTORNEY DOCKET NUMBER:	12-0295-US-1
NAME OF SUBMITTER:	EDOUARD G. LEBEL
SIGNATURE:	/Edouard G. Lebel/
DATE SIGNED:	12/22/2017

Total Attachments: 6

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PATENT 504702347 REEL: 044472 FRAME: 0498

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PATENT REEL: 044472 FRAME: 0499

CONFIRMATION OF ASSIGNMENT / ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and further pursuant to the Subscription and Collaboration Agreement dated March 14, 2005, between MORPHOSYS AG, a German corporation with its principal place of business at Semmelweisstr. 7, Planegg, Germany 82152, ("Assignor") and Boehringer Ingelheim International GmbH, a German corporation with its principal place of business at Binger Strasse 173, Ingelheim am Rhein, Germany 55218, ("Assignee"), Assignor has previously transferred, sold, and assigned, and to the extent Assignor has not previously transferred, sold, and assigned hereby transfers, sells, and assigns, unto Assignee its entire right, title, and interest, for the United States and the Territories and Possessions thereof and all foreign countries and regions, in and to the inventions (hereinafter referred to as the "Inventions") as set forth and described in the following United States patent application(s): Application No. 12/636,195; filed December 11, 2009 (hereinafter referred to as the "Application"), including all rights to design, trademark, provisionals, nonprovisionals, divisionals, continuations, continuations-in-part, Patent Cooperation Treaty (PCT) applications, and national stages of any such PCT applications, and all other foreign patent applications based in whole or in part upon the Inventions or upon the Application, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted in any country for the Inventions or upon the Application or any patent application claiming priority rights from the Application, including the patent applications and patents listed in the Attachment hereto, and every priority right that is or may be predicated upon or arise from the Inventions, or from the Application, and including all rights to sue for any infringement of the Letters Patent, and further including all rights to past damages relating to third party infringement of the Letters Patent, the Assignee being hereby authorized to file and prosecute patent applications, including completing formalities and recordation of ownership claims, in any or all countries and regions on any or all of the Inventions in the name of the undersigned or in the name of the Assignee or otherwise as the Assignee may deem advisable, under the PCT or otherwise; the United States Patent and Trademark Office and corresponding patent granting authorities outside the United States being hereby authorized to issue or transfer all the Letters Patent issuing from any patent applications claiming the Inventions or claiming priority from the Application to the Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to ensure that the Inventions, the Application, and any Letters Patent which may issue from any patent applications claiming the Inventions or claiming priority from the Application shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by the Assignee, to furnish the Assignee with all facts relating to the Inventions and/or the Application or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody the Inventions or relate to the Application, and generally do everything possible to aid the Assignee, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection, in all countries and regions, for the Inventions, the Application, and/or Letters Patent that may issue as a result of the Application and from any patent applications claiming priority to the Application, and not to take any action challenging or opposing, on any grounds whatsoever, Assignee's rights granted under this Agreement, or the validity of the transfer of the ownership rights hereunder.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office and/or corresponding patent granting authorities outside the United States, and to handle all correspondence relating to the Application or any patent applications claiming priority from the Application.

NAME AND SIGNATURE OF THE AUTHORIZED OFFICERS OF ASSIGNOR

Name: PR BORND HITTER			
Signature: VICE PLES DENT , SEAR OF IP	Date:_	Dec 12,2012	
Name: CLANDIN GORGERY			
Signature: it (lls	_Date:_	. December 5,	10/7

NAME AND SIGNATURE OF THE AUTHORIZED OFFICERS OF ASSIGNEE

BOEHRINGER INGELHEIM INTERNATIONAL GMBH

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Signature: ppa.

Date: Dec. 15 2017

Name: Dr. Georg FUCHS

Signature: ppa.

Date: Dec. 20,2013

Date of Filing: December 11, 2009

Attachment

BI-Ref.	Country	Filing Date	Application Number	Grant Number
12-0295-AL-1	Albania	11-Dez-2009	2015-521	5516
12-0295-AP-1	African Reg.Int.Prop.Org. (ARIPO)	20-Mai-2011	2011-005719	AP3371
12-0295-AR-1	Argentina	11-Dez-2009	090104838	
12-0295-AT-1	Austria	11-Dez-2009	09771361.4	2376116
12-0295-AU-1	Australia	13-Apr-2011	2009324296	2009324296
12-0295-BA-1	Bosnia-Herzegovina	11-Dez-2009	E01894	BA/EP2376116
12-0295-BE-1	Belgium	11-Dez-2009	09771361.4	2376116
12-0295-BG-1	Bulgaria	11-Dez-2009	09771361.4	2376116
12-0295-BR-1	Brazil	10-Jun-2011	0923359-8	
12-0295-BW-1	Botswana	11-Dez-2009	2011-005719	AP3371
12-0295-CA-1	Canada	12-Apr-2011	2740341	
12-0295-CH-1	Switzerland	11-Dez-2009	09771361.4	2376116
12-0295-CL-1	Chile	10-Jun-2011	01431-2011	52547
12-0295-CN-1	China	31-Mai-2011	200980148017.9	
12-0295-CN-2	China	24-Jul-2013	201310312215.2	
12-0295-CN-3	China	24-Jul-2013	201310313843.2	
12-0295-CO-1	Colombia	10-Jun-2011	11-072583	
12-0295-CO-2	Colombia	12-Jun-2013	13-140784	
12-0295-CY-1	Cyprus	11-Dez-2009	09771361.4	2376116
12-0295-CZ-1	Czech Republic	11-Dez-2009	09771361.4	2376116
12-0295-DE-1	Germany	11-Dez-2009	09771361.4	602009035171 .0
12-0295-DK-1	Denmark	11-Dez-2009	09771361.4	2376116
12-0295-DZ-1	Algeria	11-Jul-2011	110473	7968
12-0295-EA-1	Eurasian Patent Org. (EAPO)	07-Jul-2011	201100918	
12-0295-EC-1	Ecuador	13-Jun-2011	11-11126	
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12-0295-EP-1	European Patent Office (EPO)	12-Dez-2008	08171554.2	
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12-0295-ES-1	Spain	11-Dez-2009	09771361.4	ES2561045T3
12-0295-FI-1	Finland	11-Dez-2009	09771361.4	2376116
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12-0295-GE-1	Georgia	11-Jul-2011	12200/01 11	
12-0295-GH-1	Ghana	11-Dez-2009	12290/01-11	P6119
12-0295-GM-1	Gambia	11-Dez-2009	2011-005719	AP3371
12-0295-GR-1	Greece	11-Dez-2009	2011-005719	AP3371
12-0295-HK-1	Hong Kong	09-Dez-2011	20160400373	3088213
12-0295-HK-2	Hong Kong	19-Mai-2014	11113339.0	HK1158933
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12-0295-HR-1	Croatia	11-Dez-2009	14104649.1	
12-0295-HU-1	Hungary	11-Dez-2009	09771361.4	E01894
12-0295-ID-1	Indonesia		09771361.4	E026374
12-0295-IE-1	Ireland	08-Jul-2011	00201102466	
12-0295-IL-1	Israel	11-Dez-2009	09771361.4	2376116
12-0295-IN-1	India	31-Mär-2011	212047	212047
12-0295-IS-1	iceland	13-Jun-2011	4441-DELNP-2011	
12-0295-IT-1	Italy	11-Dez-2009	09771361.4	2376116
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12-0295-JP-1	lanan			536
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12-0295-KE-1	Japan	11-Dez-2009	2015-019825	
12-0295-KR-1	Kenya	11-Dez-2009	2011-005719	AP3371
12-0295-LR-1	Korea (South)	03-Jun-2011	10-2011-7012844	
12-0295-LS-1	Liberia	11-Dez-2009	2011-005719	AP3371
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12-0295-LU-1	Lithuania	11-Dez-2009	09771361.4	2376116
12-0295-LV-1	Luxembourg	11-Dez-2009	09771361.4	2376116
12-0295-MA-1	Latvia	11-Dez-2009	09771361.4	2376116
12-0295-MC-1	Morocco	09-Jun-2011	33927	32888
12-0295-ME-1	Monaco	11-Dez-2009	09771361.4	2376116
12-0295-MK-1	Montenegro	11-Dez-2009	2015-211	02377
12-0295-MT-1	Macedonia	11-Dez-2009	2015-683	2376116
2-0295-MW-1	Malta	11-Dez-2009	09771361.4	2376116
.2-0295-10100-1	Malawi	11-Dez-2009	2011-005719	AP3371
12-0295-MX-1	Mexico	08-Jun-2011	2011 000055	
L2-0295-MX-2	Mexico	31-Jul-2013	2011-006055	314347
L2-0295-MX-3	Mexico	31-Jul-2013	2013-008864	
2-0295-MY-1	Malaysia	10-Jun-2011	2013-008865	331561
2-0295-MZ-1	Mozambique	11-Dez-2009	2011002684	150984
.2-0295-NA-1	Namibia	11-Dez-2009	2011-005719	AP3371
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2-0295-NL-1	Netherlands	11-Dez-2009	2011-84	2011-84
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Page 4 of 6

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12-0295-PL-1	Poland	11-Dez-2009	09771361.4	2376116
12-0295-PT-1	Portugal	11-Dez-2009	09771361.4	2376116
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12-0295-RS-1	Serbia	11-Dez-2009	2015-0877	54423
12-0295-SD-1	Sudan	11-Dez-2009	2011-005719	AP3371
12-0295-SE-1	Sweden	11-Dez-2009	09771361.4	2376116
12-0295-SG-1	Singapore	13-Jun-2011	201104287-6	
12-0295-SG-2	Singapore	13-Feb-2014	2014013841	2014013841
12-0295-SI-1	Slovenia	11-Dez-2009	09771361.4	2376116
12-0295-SK-1	Slovakia	11-Dez-2009	09771361.4	E20579
12-0295-SL-1	Sierra Leone	11-Dez-2009	2011-005719	AP3371
12-0295-SZ-1	Swaziland	11-Dez-2009	2011-005719	AP3371
12-0295-TH-1	Thailand	11-Dez-2009		
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12-0295-TW-1	Taiwan	11-Dez-2009		1471139
12-0295-TZ-1	Tanzania	11-Dez-2009	2011-005719	AP3371
12-0295-UA-1	Ukraine	08-Jul-2011	a201108588	105198
12-0295-UA-2	Ukraine	26-Nov-2013	a201313753	
12-0295-UG-1	Uganda	11-Dez-2009	2011-005719	AP3371
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	America			
12-0295-US-2	United States of America	17-Okt-2012	13/653843	
12-0295-US-3	United States of	13-Jun-2014	14/304338	
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12-0295-UY-1	Uruguay	11-Dez-2009	32317	
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12-0295-VN-1	Vietnam	12-Jul-2011	1-2011-01836	15412
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Page 5 of 6

PATENT REEL: 044472 FRAME: 0504 Assignment

U.S. Serial No. 12/636,195 (**US 8,318,159**)

Date of Filing: December 11, 2009

Attorney Docket No. 12-0295-US-1

BI-Ref.	Country	Cit. D		
12-0295-ZM-1	7. 1.		Application Number	Grant Number
12-0295-ZW-1		11-Dez-2009	2011-005719	AP3371
TE 0255 244-1	Zimbabwe	11-Dez-2009	2011-005719	AP3371

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