504371529 05/17/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4418223

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCUS RAINER RAHMEL	02/10/2017
GUIDO ENDERT	04/24/2017
JONAS RUF	04/24/2017
HORST WERGEN	04/24/2017

RECEIVING PARTY DATA

Name:	Boehringer Ingelheim Vetmedica GmbH	
Street Address:	Binger Strasse 173	
City:	Ingelheim am Rhein	
State/Country:	GERMANY	
Postal Code:	55216	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15181534

CORRESPONDENCE DATA

Fax Number: (703)848-2981

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: 7035843273

Email: kmcmanus@rmsc2.com DAVID S. SAFRAN **Correspondent Name:**

Address Line 1: 7918 JONES BRANCH DRIVE, SUITE 500

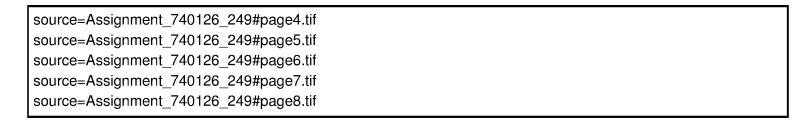
Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	740126-249 (DSS)	
NAME OF SUBMITTER:	DAVID S. SAFRAN	
SIGNATURE:	/david s safran/	
DATE SIGNED:	05/17/2017	

Total Attachments: 8

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> **PATENT** REEL: 042410 FRAME: 0704 504371529



PATENT REEL: 042410 FRAME: 0705

CONFIRMATION OF ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and further pursuant to local law and/or intercompany agreements, the entire right, title, and interest of the undersigned inventor has been previously transferred, sold, and assigned unto:

BOEHRINGER INGELHEIM VETMEDICA GmbH Binger Strasse 173 Ingelheim am Rhein 55216 Federal Republic of Germany

and its successors (hereinafter "Assignee"), 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 in the following United States patent application(s): Application No. 15181534; filed June 14, 2016 (hereinafter referred to as the "Application"), including all rights to provisionals, nonprovisionals, divisionals, continuations, continuation-in-parts, 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, 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

Assignment U.S. Serial No. 15181534 Date of Filing: June 14, 2016

Attorney Docket No. 01-3136-US-1

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

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.

Kalmubate: 10 Feb 7017

NAME AND SIGNATURE OF INVENTOR

Name: Marcus Rainer RAH

ownership rights hereunder.

Signature:

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The undersigned hereby grant(s) an authorized representative of Assignee the power to insert to 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 INVENTOR

Name: Guido ENDERT

Signature: Date: APRIL 24", 2017

Assignment

U.S Serial No. 15181534

Date of Filing: June 14, 2016

Attorney Docket No. 01-3136-US-1

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acknowledged, and further pursuant to local law and/or intercompany agreements, the entire right,

title, and interest of the undersigned inventor has been previously transferred, sold, and assigned

unto

BOEHRINGER INGELHEIM VETMEDICA GmbH

Binger Strasse 173

Ingelheim am Rhein 55216

Federal Republic of Germany

and its successors (hereinafter "Assignee"), 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 in the following United States patent application(s): Application No.

15181534; filed June 14, 2016 (hereinafter referred to as the "Application"), including all rights to

provisionals, nonprovisionals, divisionals, continuations, continuation-in-parts, Patent Cooperation

Freaty (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 at 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, 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

teners patent, the Assignee being hereby authorized to file and prosecute patent applications,

it is the 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,

I cense, 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

Assignment
U.S. Serial No.

U.S. Serial No. 15181534 Date of Filing: June 14, 2016 Attorney Docket No. 01-3136-US-1

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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 bistory thereof and any and all documents, photographs, models, samples, or other physical

exhibits which may enabody 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

whatspever, Assignee's rights granted under this Agreement, or the validity of the transfer of the

own ership rights hereunder.

The undersigned hereby grant(s) an authorized representative of Assignee the power to

insect to 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 INVENTOR

Name: Jonas RUF

Sig lature:

Date: Rpsil 24, 2017

Date of Filing: June 14, 2016

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NAME AND SIGNATURE OF INVENTOR

Name Horst WERGEN

Signature: # + 1 - Date: #P.C 24 CC 12