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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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Name	Execution Date
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16373715

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ATTORNEY DOCKET NUMBER:	740126-352
NAME OF SUBMITTER:	DAVID S. SAFRAN
SIGNATURE:	/DAVID S. SAFRAN/
DATE SIGNED:	06/28/2019

Total Attachments: 2

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PATENT REEL: 049621 FRAME: 0068 505549706

Attorney Docket No. 740126-352

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. 16/373,715 filed April 3, 2019 (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

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Assignment U.S. Serial No. 16/373,715 Date of Filing: April 3, 2019

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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 INVENTOR

Name: Matthias GRIESSNER

Date: April 29, 2013

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RECORDED: 06/28/2019