

Assignment
International Patent Application No. PCT/US19/40509
Date of Filing: July 03, 2019

Attorney Docket No. 15-0002-WO-1

CONFIRMATION OF ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and further pursuant to applicable law, the entire right, title, and interest of the undersigned inventor has been previously transferred, sold, and assigned, and to the extent the inventor has not previously transferred, sold, and assigned hereby transfers, sells, and assigns unto:

**Boehringer Ingelheim Pharma GmbH & Co. KG
Binger Strasse 173
55216 Ingelheim am Rhein
Germany**

and its successors (hereinafter "Assignee"), his/her 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 and designs (if any) (hereinafter collectively referred to as the "Inventions") as set forth and described in the following United States patent application(s): Application No. 62/695,656; filed July 09, 2018 (hereinafter referred to as the "Application"), including all rights to 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, 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

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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. For the avoidance of doubt, nothing in this assignment requires the Assignor to provide testimony in a United States litigation related to the above mentioned Inventions, Application, and/or Letters Patent.

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: Hannes Fiepko KOOLMAN

Signature: Hannes F. Koolman Date: March 11, 2020

NAME AND SIGNATURE OF THE AUTHORIZED OFFICERS OF ASSIGNEE

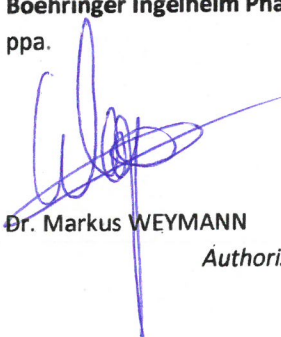
NAME AND SIGNATURE OF THE AUTHORIZED OFFICERS OF ASSIGNEE (Employer)

Ingelheim am Rhein, DE, on March 11, 2020

Boehringer Ingelheim Pharma GmbH & Co. KG

ppa.

ppa.


Dr. Markus WEYMANN


Dr. Georg FUCHS

Authorized Signatories

ASSIGNMENT

We:

Alan LONG
5914 Stuart Drive
Flowery Branch, GA 30542

Hyoung LEE
10875 Windham Way
Alpharetta, GA 30022

being the inventor(s) of certain improvements in the international application entitled: "ANTHELMINTHIC HETEROCYCLIC COMPOUNDS" for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign unto **BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC. (BI AH)**, having a place of business at **3239 Satellite Blvd., Duluth, Georgia 30096, U.S.A.**, its successors and assigns (1) the entire right, title and interest in all countries throughout the world in and to any and all of my/our inventions and discoveries in my/our International Patent Application, filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US) on July 03, 2019, subsequently identified as International Patent Application No. ~~PCT/US18/40509~~ PCT/US19/40509 ⁴⁵⁸⁸ and designating all PCT member countries/states, as well as in any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefore; (2) the full and complete right to file patent applications in the name of (BI AH), or their designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the following priority application(s):

US Provisional Application No. 62/695,656 filed 09 July 2018

and all rights of priority in any country of the world deriving from the above-identified International Application.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to (BI AH) as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of (BI AH), to execute and to deliver to (BI AH) any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I further agree, at any time, upon request of (BI AH), to execute and to deliver to (BI AH), such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do what is necessary to give full effect to and to perfect any and all rights of (BI AH), under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

In testimony of which I have hereupon affixed my signature, it is my intention that this Assignment instrument be effective, and all rights transferred herein shall be considered to have vested in (BI AH), as of the 09 July 2018, the filing date of US Provisional Application No. 62/695,656 from which earliest priority is hereby claimed.

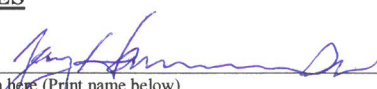
(1) Assignor's Signature:


Name: Alan LONG

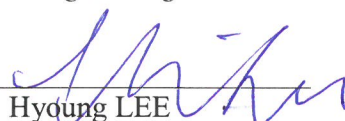
26 JUL, 2019
Date

WITNESSES


Sign here (Print name below)
Witness 1: Celine CUNAT


Sign here (Print name below)
Witness 2: Jay Harriman

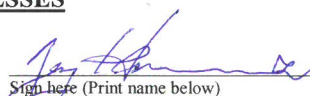
(2) Assignor's Signature:


Name: Hyoung LEE

7-26-18 2019
Date

WITNESSES


Sign here (Print name below)
Witness 1: Celine CUNAT


Sign here (Print name below)
Witness 2: Jay Harriman

ACKNOWLEDGEMENT OF ASSIGNEE

BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC. By: <u>[Signature]</u> (Signature of Authorized Representative or Officer) Print Name: _____ Title: <u>Dr. Judy Jarecki-Black, Esq.</u> <u>Head, Patent Prosecution and Patent Litigation, AH</u>	On this <u>15th</u> day of <u>August</u> , 2019, <u>Judy Jarecki-Black</u> personally appeared before me, a Notary Public in and for the <u>State of</u> <u>Georgia</u> , and duly acknowledged the executed Assignment on behalf of the Assignee <u>[Signature]</u> Notary Public
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NOTARY PUBLIC, FULTON COUNTY, GEORGIA
MY COMMISSION EXPIRES MARCH 24, 2020