PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOHAMAD MORSEY	03/21/2016
YUANZHENG ZHANG	03/21/2016

RECEIVING PARTY DATA

Name:	INTERVET INC.
Street Address:	2 GIRALDA FARMS
City:	MADISON
State/Country:	NEW JERSEY
Postal Code:	07940

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15562308

CORRESPONDENCE DATA

Fax Number: (732)594-4720

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: us efs@merck.com

Correspondent Name: MERCK SHARP & DOHME CORP.
Address Line 1: 126 EAST LINCOLN AVENUE

Address Line 4: RAHWAY, NEW JERSEY 07065-0900

ATTORNEY DOCKET NUMBER:	24065-US-PCT
NAME OF SUBMITTER:	ANGELA A. KIAUSAS
SIGNATURE:	/ANGELA A. KIAUSAS/
DATE SIGNED:	09/29/2017

Total Attachments: 4

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PATENT 504572991 REEL: 043741 FRAME: 0173

Attorney Docket No.: 24065

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Mohamad MORSEY, located at Omaha, NE, USA,
- (2) Yuanzheng ZHANG, located at Edison, NJ, USA,

(hereinafter ASSIGNOR(S)), am/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

ANTIBODIES TO CANINE INTERLEUKIN-4 RECEPTOR ALPHA

and/or in the following application(s):

US provisional application 62/142108 filed on April 2, 2015 US provisional application 62/269486 filed on December 18, 2015 US provisional application 62/310250 filed on March 18, 2016

PCT International Application No. PCT/EP2016/057256 having a filing date of April 1, 2016

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, **INTERVET INC.**, a corporation organized under the laws of Delaware, having its principal office at 2 Giralda Farms, Madison, NJ 07940, with respect to the United States of America, and **INTERVET INTERNATIONAL B.V.**, a corporation organized under the laws of the Netherlands, having its principal office at Wim de Körverstraat 35, 5831 AN, Boxmeer, Netherlands, with respect to all other countries of the world (hereinafter, each an **ASSIGNEE** with respect to the identified country(ies)), are desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

PATENT REEL: 043741 FRAME: 0174

Executed this 2 day of 4 vch , 2016
17/16/50
Mohamad MORSEY
ACKNOWLEDGEMENT
State of <i>Aebraska</i>)
State of
On this day of MACA , 20 , personally appeared before me Mohamad MORSEY to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal)
Notary Public
General Notary - State of Neturaska SARA J. DARBY My Comm. Exp. Sept. 19, 2018.
Executed this day of , 20
Yuanzheng ZHANG
ACKNOWLEDGEMENT
State of)
) s.s: County of)
On this, 20, personally appeared before me <u>Yuanzheng ZHANG</u> to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth. (Seal)
Notary Public

PATENT REEL: 043741 FRAME: 0175

Attorney Docket No.: 24065

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Mohamad MORSEY, located at Omaha, NE, USA,
- (2) Yuanzheng ZHANG, located at Edison, NJ, USA,

(hereinafter ASSIGNOR(S)), am/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

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PATENT REEL: 043741 FRAME: 0176

CHRISTINE FREEMAN NOTARY PUBLIC OF NEW JERSEY My Commission Expires 6/19/2017

> PATENT REEL: 043741 FRAME: 0177

RECORDED: 09/29/2017