

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARC ALLAN EICHMEYER	05/09/2016
WESLEY SCOTT JOHNSON	04/25/2016
ERIC MARTIN VAUGHN	04/25/2016
MICHELLE L. WALZ	04/25/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Boehringer Ingelheim Vetmedica, Inc.
<b>Street Address:</b>	2621 North Belt Highway
<b>City:</b>	St. Joseph
<b>State/Country:</b>	MISSOURI
<b>Postal Code:</b>	64506-2002
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15050640
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	10-0169-US-2
<b>NAME OF SUBMITTER:</b>	WENDY M. GOMBERT
<b>SIGNATURE:</b>	/Wendy M. Gombert/
<b>DATE SIGNED:</b>	05/16/2016
<b>Total Attachments: 3</b>	
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Assignment  
U.S. Serial No. 15/050,640  
Date of Filing: February 23, 2015

Attorney Docket No. 10-0169-US-2

### ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has transferred, sold and assigned, and by these presents hereby transfers, sells and assigns, unto

Boehringer Ingelheim Vetmedica, Inc.  
2621 North Belt Highway  
St. Joseph, MO 64506  
United States of America

Its successors and assigns, (hereinafter "Assignee") the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions entitled:

#### BIVALENT SWINE INFLUENZA VIRUS VACCINE

as set forth and described in the below identified United States patent application (hereinafter referred to as the "Inventions")

- ☐ executed concurrently herewith
- ☐ executed on
- ☒ Application No. 15/050,640; filed February 23, 2016
- ☐ Application claims priority from Application No. , filed

The application listed above is hereinafter referred to as the "Application";

Including the right to claim priority from the Application,

including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, International Convention applications (including the PCT International Application and national stages of any such PCT International Application) and all other foreign patent applications based in whole or in part upon said Inventions or upon said Application, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted in any country for said Inventions or upon any patent application claiming priority rights

from the Application, and every priority right that is or may be predicated upon or arise from said Inventions, or from said Application, said Assignee being hereby authorized to file and prosecute patent applications, including completing formalities and recordation of ownership claims, in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said

Assignment  
U.S. Serial No. 15/050,640  
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Attorney Docket No. 10-0169-U5-2

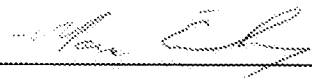
Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the United States Patent and Trademark Office and corresponding patent granting authorities outside the United States being hereby authorized to issue or transfer all said Letters Patent issuing from any patent applications claiming the Inventions and priority from the Application to said 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 said Inventions, the Application and any Letters Patent which may issue from any patent applications claiming the Inventions and priority from the Application shall be held and enjoyed by said 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 said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said Inventions, and to testify in any proceedings relating to said Inventions, the Application, and/or Letters Patent that may issue as a result from any patent applications claiming priority to the Application.

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.

This Assignment is deemed to be effective as of February 23, 2016.

**NAME AND SIGNATURE OF INVENTOR**

Name: Marc Allan EICHMEYER

Signature:  Date: 09 May 2016

Assignment  
U.S. Serial No. 15/050,640  
Date of Filing: February 23, 2015

Attorney Docket No. 10-0169-US-2

**NAME AND SIGNATURE OF INVENTOR**

Name: Wesley Scott JOHNSON

Signature: Wesley Johnson

Date: 25 April 2016

**NAME AND SIGNATURE OF INVENTOR**

Name: Eric Martin VAUGHN

Signature: Eric Vaughn

Date: 25 April 2016

**NAME AND SIGNATURE OF WITNESS**

**NAME AND SIGNATURE OF INVENTOR**

Name: Michelle L. WALZ

Signature: Michelle Walz

Date: 25 April 2016