505852483 01/08/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5899420

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL ROOF	07/10/2007
PHILLIP HAYES	07/11/2007
MARC EICHMEYER	07/10/2007
GREG NITZEL	06/29/2007
MERRILL SCHAEFFER	07/11/2007

RECEIVING PARTY DATA

Name:	BOEHRINGER INGELHEIM VETMEDICA, INC.
Street Address:	2621 NORTH BELT HIGHWAY
City:	ST. JOSEPH
State/Country:	MISSOURI
Postal Code:	64506

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15957663

CORRESPONDENCE DATA

Fax Number: (678)638-3350

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: assignment.ip@merial.com

Correspondent Name: DR. JUDY JARECKI-BLACK, ESQ.

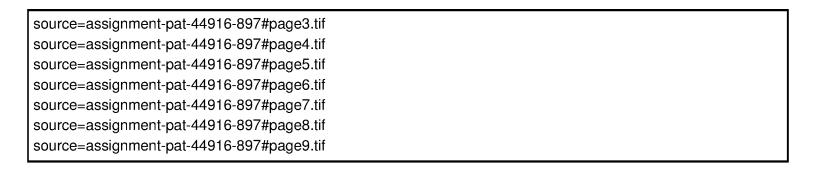
Address Line 1: 3239 SATELLITE BLVD.
Address Line 4: DULUTH, GEORGIA 30096

ATTORNEY DOCKET NUMBER:	10-0078-US-14	
NAME OF SUBMITTER:	JOAN DSOUZA	
SIGNATURE:	/JOAN DSOUZA/	
DATE SIGNED:	01/08/2020	

Total Attachments: 9

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PATENT 505852483 REEL: 051446 FRAME: 0455



PATENT REEL: 051446 FRAME: 0456

02/13/2018 504776389

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4823118

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL ROOF	07/10/2007
PHILLIP HAYES	07/11/2007
MARC EICHMEYER	07/10/2007
GREG NITZEL	06/29/2007
MERRILL SCHAEFFER	07/11/2007

RECEIVING PARTY DATA

Name:	BOEHRINGER INGELHEIM VETMEDICA, INC.	
Street Address:	2621 N. BELT HIGHWAY	
City:	ST. JOSEPH	
State/Country:	MISSOURI	
Postal Code:	64506	

PROPERTY NUMBERS Total: 2

Property Type	Number
Patent Number:	9610345
Patent Number:	9669087

CORRESPONDENCE DATA

Fax Number: (678)638-3350

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: 678 638-3805

Email: judy.jarecki@merial.com **Correspondent Name:** JUDY JARECKI-BLACK Address Line 1: 3239 SATELLITE BLVD.

Address Line 2: BOEHRINGER INGELHEIM ANIMAL HEALTH

Address Line 4: DULUTH, GEORGIA 30096

ATTORNEY DOCKET NUMBER:	MER-BI PCV2 PATENTS	
NAME OF SUBMITTER:	SARAH MARCANO	
SIGNATURE:	/sarah marcano/	
DATE SIGNED:	02/13/2018	

PATENT REEL: 054946 FRAME: 0897 504776389

Total Attachments: 7 source=Executed_Assignment_-_345_and_087#page1.tif source=Executed_Assignment_-_345_and_087#page2.tif source=Executed_Assignment_-_345_and_087#page3.tif source=Executed_Assignment_-_345_and_087#page4.tif source=Executed_Assignment_-_345_and_087#page5.tif source=Executed_Assignment_-_345_and_087#page6.tif source=Executed_Assignment_-_345_and_087#page7.tif

PATENT REEL: 0**5494**6 FRAME: 0**89**8

ASSIGNMENT

WHEREAS, WE, Michael Roof, OF 3222 Tupelo Circle, Ames, Iowa 50014; Phillip Hayes, OF 2775 430 Street, Maurice, Iowa 51036; Marc Eichmeyer, OF 10908 NE 77th Lane. Bondurant, Iowa 50035; Greg Nitzel, OF 45620 Finch St., Mattawan, Michigan 49071; and Merrill Schaeffer, OF 5302 Brookhaven Drive, Saint Joseph, Missouri 64507, have invented certain new and useful improvements in

USE OF A PCV2 IMMUNOGENIC COMPOSITION FOR LESSENING THE CLINICAL SYMPTOMS IN PIGS

which is the subject of U.S. Patent Application No. 11/617,435, filed December 28, 2006; and

WHEREAS, Boehringer Ingelheim Vetmedica, Inc., a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 2621 N. Belt Highway, St. Joseph, Missouri 64506, is desirous of acquiring an interest in, to, and under said invention, said Application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, WE, Michael Roof, OF 3222 Tupelo Circle, Ames, Iowa 50014; Phillip Hayes, OF 2775 430 Street, Maurice, Iowa 51036; Marc Eichmeyer, OF 10908 NE 77th Lane, Bondurant, Iowa 50035; Greg Nitzel, OF 45620 Finch St., Mattawan, Michigan 49071; and Merrill Schaeffer, OF 5302 Brookhaven Drive. Saint Joseph, Missouri 64507, have sold, assigned, and transferred, and by these presents do soll, assign, and transfer unto said, the full and exclusive right, title, and interest, throughout the world, in, to, and under the following:

- (a) said invention as fully set forth and described in said Application:
- (b) said Application Serial No. 11/617,435, filed December 28, 2006;
- (c) any and all refilings, divisions, and continuations of said Application:
- (d) any and all Letters Patent of the United States of America that may issue from said Application, refilings, divisions, and continuations;
- (e) any and all reissues of said Letters Patent of the United States of America;
- (f) any and all applications for Letters Patent on said invention that may hereafter be filed in any and all countries foreign to the United States of America, together with all rights to file and to claim priority in connection with said foreign-filed applications;
 - (g) any and all refilings, divisions, and continuations of said foreign-filed

applications;

- (h) any and all Letters Patent of countries foreign to the United States of America that may issue from said foreign-filed applications, refilings, divisions, and continuations; and
- (i) any and all extension of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said for its own use and behoof, and for its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent in accordance with this Assignment.

Executed this_	/0	_day of _	July	.20 07	
			M	ek [1/10]	
			Michael I	Roof	
			Phillip H	layes	
			- Van	· Eil.	25
			Marc Eicl	and the second s	
			Greg Nitz	zei	
			Merrill S	Schaeffer	<u>,i jiyaqq</u> aasi

applications;

- (h) any and all Letters Patent of countries foreign to the United States of America that may issue from said foreign-filed applications, refilings, divisions, and continuations; and
- (i) any and all extension of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said for its own use and behoof, and for its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent in accordance with this Assignment.

Michael Roof

Michael Roof

Phillip Hayes

Marc Eichmeyer

Merrill Schaeffer

Greg Nitzel

applications;

(h) any and all Letters Patent of countries foreign to the United States of America that may issue from said foreign-filed applications, refilings, divisions, and continuations; and

(i) any and all extension of, and additions to, said Letters Patent of countries foreign

to the United States of America.

ALL of the above shall be held and enjoyed by said for its own use and behoof, and for its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent in accordance with this Assignment.

Executed this	day of	, 20
		Michael Roof
		Phillip Hayes
		Marc Eichmeyer
		1 Might
		Greg Nitzel
		Merrill Schaeffer

STATE OF	lowa)			
)SS.			
STATE OF COUNTY OF	Story)			
On this	10+1/2 di	y of July	<u>/</u>	7, before me perso	nally appeared
Michael Roof, (DF 3222 Tupe	lo Circle, Ame	s, Iowa 50014; ai	nd Marc Eichmeyer	OF 10908 NE
				ne persons describe	
				dged to me that the	
same for the use					,
			l consent	Ш_	
			Notary Public		
			•		
My Commission	Expires:	UQ I 08			11%
		,			1121102
STATE OF		}			
		ISS.			
COUNTY OF)			
On this	day	of	, 20	, before me person	ally appeared
				I, to me known to	
described in and	who executed	the foregoing	instrument, and	he duly acknowled	ged to me that
he executed the s					
		,			
			Notary Public		
My Commission	Expires:				
•					

*

STATE OF) :	
)SS.	
COUNTY OF).	
On this_	day of	, 20, before me personally appeared
Michael Roof, C	F 3222 Tupelo Circle	, Ames, Iowa 50014; and Marc Eichmeyer, OF 10908 NE
77th Lane, Bon	durant, Iowa 50035,	to me known to be the persons described in and who
executed the for	egoing instrument, a	nd they duly acknowledged to me that they executed the
same for the use	s and purposes therei	n set forth.
		Notary Public
My Commission	Expires:	
Server & review or server MA 12	hisan i	
STATE OF MIC	myan)	
There are acting the proposed and the first of the)88.	
COUNTY OF V	anburen,	
	Not the state of t	une, 2017 before me personally appeared
Greg Nitzel, OF	45620 Finch St., Ma	attawan, Michigan 49071, to me known to be the person
		egoing instrument, and he duly acknowledged to me that
he executed the	same for the uses and	purposes therein set forth.
inic	E. Markett ON BOOK State	Hapkne Daw Mycra
Daphne Gail Myers Notary Public, Van Buran County, Mi		· · · · · · · · · · · · · · · · · · ·
My Conunissi	on Expires: 12-27- 3810	Notary Public
		7. 2816
My Commissio	n Expires: 12.2	

STATE OF Missouri)

SS.

COUNTY OF Buhanan)

On this _________, day of _________, 20/Z, before me personally appeared Phillip Hayes, OF 2775 430 Street, Maurice, Iowa 51036; and Merrill Schaeffer. OF 5302 Brookhaven Drive, Saint Joseph, Missouri 64507, to me known to be the persons described in and who executed the foregoing instrument, and they duly acknowledged to me that they executed the same for the uses and purposes therein set forth.

RANDI L PICKEREL
Notary Public, State of Missouri
Buchtorian County
Commission # 07058663
My Commission Explires June 11, 2011

Notary Public

Kanti & Bukerel

My Commission Expires: June 11, 2011

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