

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

09-22-2006



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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Jeremy Kroll
Michael Roof

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 8/30/2006

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Boehringer Ingelheim Vetmedica, Inc.

Internal Address: _____

Street Address: 2621 N. Belt Highway

City: St. Joseph

State: Missouri

Country: US Zip: 64506

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)
11/457,039

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Tracey S. Truitt

Internal Address: Erickson & Kleypas, L.L.C.

Street Address: 800 W. 47th Street, Suite 401

City: Kansas City

State: MO Zip: 64112

Phone Number: 816-753-6777

Fax Number: 816-753-6888

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 2347
Expiration Date 06/09

b. Deposit Account Number _____
Authorized User Name _____

9. Signature:

Tracey S. Truitt
Signature

9/18/2006

Date

Tracey S. Truitt

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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**PATENT
REEL: 018307 FRAME: 0899**

ASSIGNMENT

WHEREAS, WE, Jeremy Kroll, of 14216 Maple Drive, Urbandale, IA 50323, and Michael Roof, of 3222 Tupelo Circle, Ames, IA 50014, have invented certain new and useful improvements in

LAWSONIA VACCINE AND METHODS OF USE THEREOF

which is the subject of U.S. Patent Application No. 11/457,039, filed July 12, 2006; and

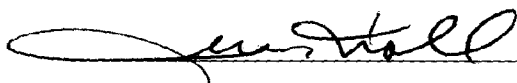
WHEREAS, Boehringer Ingelheim Vetmedica, Inc., a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 2621 N. Belt Highway, St. Joseph, Missouri 64506, is desirous of acquiring an interest in, to, and under said invention, said Application 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.

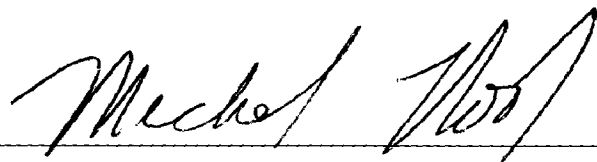
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, WE, Jeremy Kroll, of 14216 Maple Drive, Urbandale, IA 50323, and Michael Roof, of 3222 Tupelo Circle, Ames, IA 50014, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said Boehringer Ingelheim Vetmedica, Inc., 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. 11/457,039, filed ;
- (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.

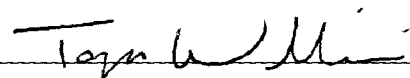
Executed this 30th day of August, 2006.


JEREMY KROLL


MICHAEL ROOF

STATE OF Iowa)
COUNTY OF Story)SS.

On this 30th day of August, 2006 before me personally appeared Jeremy Kroll, of 14216 Maple Drive, Urbandale, IA 50323, and Michael Roof, of 3222 Tupelo Circle, Ames, IA 50014, 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.


Notary Public

My Commission Expires: 11/21/08

11/21/08