

Form PTO-1595 (Rev. 07/05)
OMB No. 0851-0027 (exp. 6/30/2008)

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United States Patent and Trademark Office

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1. Name of conveying party(ies)

Bayer Corporation

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

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

Execution Date(s) July 31, 2000

- ☒ 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: Intervet Inc.

Internal Address: 405 State Street, Millsboro, Delaware

19966

Street Address: 29160 Intervet Lane

P.O. Box 318

City: Millsboro

State: DE

Country: United States Zip: 19966-0318

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

4. Application or patent number(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

5,583,014

5,853,715

6,397,378

Additional numbers attached? ☐ Yes ☒ No

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

Name: Intervet Inc.

Internal Address: c/o William M. Blackstone

Street Address: 29160 Intervet Lane

P.O. Box 318

City: Millsboro

State: DE Zip: 19966-0318

Phone Number: (302) 934-4317

Fax Number: (302) 934-4305

Email Address: _____

6. Total number of applications and patents

Involved: three (3)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120.00

- ☐ 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 _____

Expiration Date _____

b. Deposit Account Number 02-2334

Authorized User Name William M. Blackstone

9. Signature:


Signature

August 2, 2006

Date

William M. Blackstone
Name of Person Signing

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

8

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

EXECUTION COPY**PATENT ASSIGNMENT**

WHEREAS, Bayer Corporation, a corporation organized and existing under the laws of Indiana, and having a place of business at 8400 Hawthorne Road, P.O. Box 4913, Kansas City, MO 64120-0013 (hereinafter "Assignor") and Intervet Inc., a corporation organized and existing under the laws of Delaware and having a place of business at 405 State Street, Millsboro, Delaware 19966 (hereinafter "Assignee") have entered into an Asset Purchase Agreement (the "Agreement") pursuant to which Assignor is obligated to assign to Assignee the patents and patent applications set forth in Schedule A, including any continuations, divisions, continuations in part, reissues and extensions, and any Canadian equivalents thereof, and any patents that may issue thereon (hereinafter the "Patents").

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and for other good and valuable consideration as recited in the Agreement, receipt of which is acknowledged, Assignor, owner of the entire right, title and interest in the Patents, subject to the Agreement, sells, assigns, transfers and sets over unto Assignee, to be held and enjoyed by Assignee, its successors, assignees and nominees, all Assignor's right, title and interest in and to the Patents, as fully and entirely as the same would have been held and enjoyed by Bayer Corporation had this Assignment and Sale not been made, including the right to sue for past infringements.

At the request of Assignee, Assignor agrees to perform all reasonable acts and provide all available information necessary to enable Assignee to obtain, defend and assert the Patents and all rights therein, subject to Assignee's obligations (a) to pay all costs and expenses (including attorneys' fees) associated with such defense or assertion and (b) to indemnify Assignor for all damages, costs and expenses of such defense or assertion, including without limitation attorneys' fees, payment for Assignor's personnel's time and payment for counsel to represent Assignor's personnel who assist or participate in any such assertion or defense. Assignor agrees, however, to make its personnel, to the extent such personnel have relevant

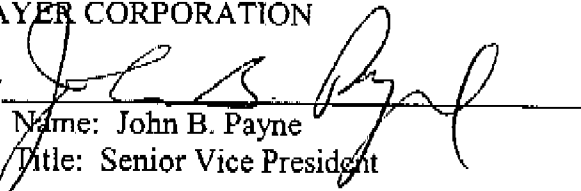
knowledge and remain employed by Assignor, available for a reasonable, limited amount of time, without charge to Assignee, to discuss the inventions described in any patent application in connection with Assignee's efforts to obtain patents thereon.

Assignor hereby requests and authorizes the Commissioner of Patents and Trademarks to issue Letters Patent on patent applications included in the Patents to Assignee or Assignee's nominee, successor or assign.

This Assignment is executed at Lenexa, Kansas, this 31st day of July, 2000.

BAYER CORPORATION


By


Name: John B. Payne

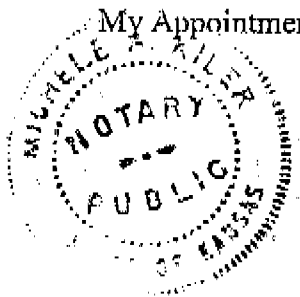
Title: Senior Vice President

STATE OF KANSAS)
COUNTY OF JOHNSON) SS:

Signed before me this 31st day of July, 2000 by John B. Payne.


Notary Public

My Appointment Expires: 5/22/02



SCHEDULE A

Issued Biological Patents

Title	MO#	Date Filed	Date Issued	Issue Number	Topic	Inventors
Influenza Vaccine Production in Liquid Cell Culture	MO 2782 CIP II CL-27	2/18/87	11/11/89 Exp. 2/19/2002	RE-33, 164 4,500,513	Tissue Culture Influenza Production Process	K. Brown, R. Stewart
Determining Potency of Streptococcal Preparations (Strangles Vaccine Determining Potency of Streptococci)	MO 2785/CL-70	12/30/82	07/16/85 Exp. 7/16/2002	4,529,581 Canada Patent No. 1,225,587	Potency Test for Streptguard	K. Brown, S. Bryant, S. Lewis
Preparation and Use of Enzyme-Detergent Extracted Streptococcus Equi Vaccine	MO 2788/CL-102	11/23/84	04/15/86 Exp. 4/15/2003 Exp. 1/23/04 (Canada)	4,582,798 Canada Patent No. 1,250,524	Streptococcus Equi Vaccine	K. Brown, S. Bryant, K. Lewis
Treponema Hyodysenteria Bacterin and Process Thereof	MO 2809 MS-1394	10/28/86	07/19/88 Exp. 7/19/2005	4,758,517	Process for Preparation of T.HYO. Vaccine	R. Parizek
Intranasal Vaccination of Horses with Inactivated Organisms of Antigenic Materials	MO 2982 AH-005	8/27/87	07/31/90 Exp. 7/31/2007	4,944,942 Canada Patent No. 1,337,331	Intranasal Vaccination of Horses with Inactivated Strep Vaccines	K. Brown, S. Bryant
Applicator for Intranasal Administration of Vaccines to Horses	MO 3445 MD AH-013	6/28/90	10/01/91 Exp. 10/1/2008	5,053,022	Applicator Catheter used for Intranasal Inoculation of Horses	K. Brown, S. Bryant, L. Moore, L. Travalant
Preparation and Use of Enzyme-Detergent Extracted Streptococcus Zooepidemicus Vaccine	MO 3459/AH-004 Canada Serial No. 2,044,721	7/3/90	12/10/96 Exp. 12/10/13	5,583,014	Strep. Zoo. Vaccine for Horses	K. Brown, S. Bryant, R. Stewart, R. Parizek

Title	MO#	Date Filed	Date Issued	Issue Number	Topic	Inventors
Cross-Protective Equine Herpesvirus Preparations and Method of Making and Using Same (Equine Herpes Virus)	MO 4576/ MD-94-79-AH Canada Serial No. 2,263,201	8/16/96	12/29/98 Exp. 8/16/2016	5,853,715		J.Macek, K.Brown, B.Moore
Encephalomyocarditis Virus Vaccine	MO 4647	10/24/90	05/25/93 Exp. 10/24/10	5,213,795	EMC Vaccine for swine	J.Carlson, H.S.Joo

A-3

CO: 1047906v7

Biological Patent Applications

Title	MO#	Date Filed	Date Issued	Issue Number	Topic	Inventors
A Device for Storage and Mucosal Delivery of Biological or Pharmaceutical Materials to Animals	MO 3999 MD-93-58-AD	9/9/93			Straw Technology for Vaccine Delivery	G.Shibley, S.Bryant, L.Choromanski, K.Brown
A Method of Intranasally Administering to Bovines a Trivalent Vaccine Containing Modified Live Virus IBRV, PL3V, and BRSV	MO 4049/ MD 93-37-AD	12/29/93			Intranasal IBR, P13 and BRSV Vaccine	D.Ciszewski, C.Phillips, M.McGinley, M.Schnurr
A Multicomponent Vaccine Containing Clostridial and Non-Clostridial Organisms in a Low Dose	MO 4249 MD-94-86-AH	3/29/95			Clostridial vaccine	S.Nibblelink, L.Vlieger, R.Parizek, S.Bryant, M.McGinley
Neospora Vaccines	MO 4743/ MD-97-81-TG	10/20/97			Neospora Vaccine	L.Choromanski, K.Brown
Cross Protective Salmonella Vaccine	MO 5416 MD 99-112	11/12/99			S. choleraesuis Vaccine	S.Charles, E.Trigo, A.Abraham
Bacterin for the treatment of fusobacterium for necrophorum diseases and method for production thereof	MO 3461 (US and Canada)	US: 6/7/90 Canada: 6/5/91		Canada 2,043,932	Foot Rot Vaccine (VOLAR)	J. Berg

PATENT

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on August 2, 2006
Date


Signature

Georgette O'Cone
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

U.S. Patent Nos.
5,583,014
5,853,715
6,397,378
Assigned by Bayer to Intervet Inc.
By Assignment dated July 31, 2000

Recordation Form Cover Sheet (PTO-1595) (1 page)
Patent Assignment with Exhibit (6 pages)
Certificate of Facsimile Transmission (1 page)

Telefax
Transmittal
Cover sheet



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(302) 934-4327

August 2, 2006

9 pages including cover sheet.

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Director of USPTO

571-273-0140

PERSON FROM:	COMPANY/DEPT FROM:	FAX NUMBER:
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Georgette O'Cone

Intervet Inc.

302-934-4305

Patent Department

USSN: [insert] Attorney Docket No: [insert]

RE: RECORDATION OF ASSIGNMENT

Please accept the documents which follow in the above-identified application:

Recordation Form Cover Sheet PTO 1595 (1 page)

Assignment from Bayer Corporation (6 pages)

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Date: 8/2/06



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