

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MERIAL LIMITED	02/02/2015
RECEIVING PARTY DATA		
Name:	MERIAL, INC.	
Street Address:	3239 SATELLITE BLVD.	
City:	DULUTH	
State/Country:	GEORGIA	
Postal Code:	30096	
PROPERTY NUMBERS Total: 2		
Property Type	Number	
Application Number:	14493562	
Application Number:	13386194	
CORRESPONDENCE DATA		
Fax Number:	(678)638-3350	
<i>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.</i>		
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Correspondent Name:	JUDY JARECKI-BLACK	
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ATTORNEY DOCKET NUMBER:	31JULY15	
NAME OF SUBMITTER:	TIKI CANTRELL	
SIGNATURE:	/Tiki Cantrell/	
DATE SIGNED:	07/31/2015	
Total Attachments: 18		
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ASSIGNMENT AGREEMENT

This Assignment is made and entered into by and between

Merial Limited

a company limited by shares registered in England and Wales (registered number 3332751), with a registered office at PO Box 327, Sandringham House, Sandringham Avenue, Harlow Business Park, Harlow, Essex CM19 5QA, England, and domesticated in Delaware, USA as Merial LLC with an office at 3239 Satellite Boulevard, Duluth, Georgia 30096.

hereinafter referred to as "**Assignor**"

and

Merial, Inc.

a Georgia corporation, having its principal place of business at 3239 Satellite Boulevard, Bldg. 500, Duluth, Georgia 30096 USA, on behalf of itself and any of its subsidiaries and/or Affiliates

hereinafter referred to as "**MERIAL**"


being the proprietor of certain improvements in the international application as indicated in the attached Exhibit "A" for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor hereby assign unto **MERIAL**, its successors and assigns (1) the entire right, title and interest in all countries throughout the world in and to any and all of the inventions and discoveries in the United States utility patent application and International Patent Application, filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US), designating all PCT member countries/states, as well as in any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefore; (2) the full and complete right to file patent applications in the name of **MERIAL**, or their designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the priority application(s).

The Assignor declares that he is proprietor of the intellectual property rights, such as patents, patent applications, supplementary protection certificates, supplementary protection certificate applications, utility models or design patents, given in the schedule hereto, and hereby declares that he assigns the said intellectual property rights and all his rights, title and interest in and to the said intellectual property rights, to **MERIAL**, together with all rights of action, power and benefit belonging or accrued arising therefrom including the right to take proceedings to recover damages and claim all other relief in respect of any acts of infringement thereof whether such acts shall have been committed before or after the date of this assignment. **MERIAL** hereby declares that he accepts such assignment.

Assignor further agrees that the change of ownership be recorded in the official Patent Office records.

Date: 02 Feb 2015

MERIAL, INC.



Christian Schwerd, Esq.
Head of Legal
Company Secretary

Date: February 2, 2015

MERIAL LIMITED



Dr. Judy Jarecki-Black, Esq.
Global Head, Intellectual Property
Assistant Secretary for Patents

Enclosure: Intellectual Property Rights - Schedule

SCHEDULE

InvTitle	Country	App Number	Parent PCT Number
HIGH RESOLUTION MELT GENOTYPING OF IBV, CSFV and	WO	PCTUS1375695	
HIGH RESOLUTION MELT GENOTYPING OF IBV, CSFV and	US	14109104	
Arylazol-2-YL Cyanoethylamide Compounds, Method of			
Making and Method of Using Thereof	US	13622664	13325467
Arylazol-2-YL Cyanoethylamide Compounds, Method of			
Making and Method of Using Thereof	US	12119150	
Arylazol-2-YL Cyanoethylamide Compounds, Method of			
Making and Method of Using Thereof	US	13325467	12119150
PESTICIDAL BIS-ORGANOSULFUR COMPOUNDS	US	13511736	PCT/US10/59011
PESTICIDAL BIS-ORGANOSULFUR COMPOUNDS	WO	PCT/US10/59011	
Recombinant Avian Influenza Vaccine	WO	PCT/US09/66146	
BLUETONGUE VIRUS RECOMBINANT VACCINES AND USES	US	13046317	
BLUETONGUE VIRUS RECOMBINANT VACCINES AND USES			
THEREOF	WO	PCT/US11/28131	
FOOT AND MOUTH DISEASE VIRUS RECOMBINANT			
VACCINES AND USES THEREOF	WO	PCT/US11/28115	
RECOMBINANT FELINE LEUKEMIA VIRUS VACCINE			
CONTAINING OPTIMIZED FELINE LEUKEMIA VIRUS	US	13364993	
RECOMBINANT FELINE LEUKEMIA VIRUS VACCINE			
CONTAINING OPTIMIZED FELINE LEUKEMIA VIRUS	US	14507455	13364993
RECOMBINANT FELINE LEUKEMIA VIRUS VACCINE			
CONTAINING OPTIMIZED FELINE LEUKEMIA VIRUS	US	13365018	11547399
RECOMBINANT FELINE LEUKEMIA VIRUS VACCINE			
CONTAINING OPTIMIZED FELINE LEUKEMIA VIRUS	WO	PCTUS1223658	
Novel Monensin Derivatives for the Treatment and			
Prevention of Protozoal Infections	US	13297367	
NOVEL INSECT-REPELLENT COUMARIN DERIVATIVES,			
SYNTHESES, AND METHODS OF USE	WO	PCTUS1243430	
NEEDLE-FREE ADMINISTRATION OF PRRSV VACCINES	US	61491955	
NEEDLE-FREE ADMINISTRATION OF PRRSV VACCINES	WO	PCTUS1239254	
NEEDLE-FREE ADMINISTRATION OF PRRSV VACCINES	US	13479451	
RECOMBINANT EQUINE HERPESVIRUS-1 VACCINE			
CONTAINING MUTATED GLYCOPROTEIN C AND USES	US	14543300	13840935
Methods of using Microneedle Vaccine Formulations to Elicit			
in Animals Protective Immunity against Rabies Virus	US	62074436	
Method of Synthesizing Macrolide Compounds	WO	PCTUS0961797	
Selective Embryonic Structure Targeting and Substance			
Delivery Device	US	14517184	
Selective Embryonic Structure Targeting and Substance			
Delivery Device	WO	PCTUS1461119	
AVERMECTIN B1 AND AVERMECTIN B1 MONOSACCHARIDE			
DERIVATIVES HAVING AN ALKOXYMETHYL SUBSTITUENT			
IN THE 4"-OR 4'-POSITION	US	13117292	12768280
PARASITICIDAL COMPOSITIONS COMPRISING			
BENZIMIDAZOLE DERIVATIVES, METHODS AND USES	US	13865802	
NEWCASTLE DISEASE VIRUS VECTORED HERPESVIRUS	US	13220196	
COMPOSITIONS COMPRISING MACROCYCLIC LACTONE			
COMPOUNDS AND SPIRODIOXEPINOINDOLES	US	12970684	
Long-acting nanoencapsulated arthropod repellent			
formulations and methods of use thereof	US	13751787	
Methods and Apparatus for Automatic Jet Injection of Bird	US	11096639	
Nipah Virus Vaccine	US	11404534	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND/OR			
A FORMAMIDINE, METHODS AND USES THEREOF	US	13901077	12618534
Vaccine Against Streptococci	US	11692968	
Topical Anthelmintic Veterinary Formulations	US	10/818,313	
Mixing Devices for Chemical Lysis of Cells	US	11287906	

InvTitle	Country	App Number	Parent PCT Number
Canine Influenza Vaccines	US	11557040	
LONG-ACTING INJECTABLE MOXIDECTIN FORMULATIONS			
AND NOVEL MOXIDECTIN CRYSTAL FORMS	US	13690185	
DIMERIC 1-ARYLPYRAZOLE DERIVATIVES	US	13129031	PCT/US09/64981
Canine GHRH Gene, Polypeptides and Methods of Use	US	10838122	
Canine GHRH Gene, Polypeptides and Methods of Use	US	11/015,461	10838122
STABILIZERS FOR FREEZE-DRIED VACCINES	US	11522211	
Gene Therapy For Renal Failure	US	11599026	
Gene Therapy For Renal Failure	US	11803991	11599026
Gene Therapy For Renal Failure	US	12273931	11599026
AMIDO-PYRIDYL ETHER COMPOUNDS AND COMPOSITIONS			
AND THEIR USE AGAINST PARASITES	US	14127248	
Attenuated Gram Negative Bacteria	US	12246809	10406686
Nicotinic Acid-Heterocyclyl-Amides and Analogous			
Pyrimidine Derivatives For Use as Pesticides	US	10/255,288	
Compositions and Methods For Controlling Insects	US	09/193,180	
Pyridine Carboxamide Derivatives and Their Use As	US	10514485	
Porcine circovirus recombinant poxvirus vaccine	US	583545	
Recombinant live vaccine based on feline herpes virus type			
1, especially against feline infectious peritonitis	US	09531857	
Useful process to transform function 4"(s)-oh of the reason			
cladinose of a aza macrolide into 4"(r)-nh2	US	11223912	09/484648
4"-DEOXY-4"-(S)-AMIDO AVERMECTIN DERIVATIVES	US	10/513247	
Alive vaccine recombining aviary, using as vector the virus			
of the aviary infectious laryngotrach��ite	US	362831	
Method of Preparing Cox-2 Inhibitors	US	10/117832	
METHYLTHIOAMIDE AMIDO AND ARYLAZOL-2-YL-			
METHYLTHIOAMIDE AMIDO COMPOUNDS, METHOD OF			
MAKING AND METHOD OF USING THEREOF	US	13086161	12582486
DNA-Based Vaccination Of Fish By Immersion	US	09/115423	
Water Miscible Microlide Solutions	US	09112690	
AVERMECTINS SUBSTITUTED IN THE 4" AND 4'-POSITIONS			
HAVING PESTICIDAL PROPERTIES	US	10/544274	
AVERMECTIN-AND AVERMECTIN MONOSACCHARIDE			
DERIVATIVES SUBSTITUTED IN THE 4"-OR 4'-POSITION			
HAVING PESTICIDAL PROPERTIES	US	10543638	
Attenuated Gram Negative Bacteria	US	13091046	12246809
Water Miscible Microlide Solutions	US	09346905	
Long Acting Injectable Formulations	US	11207980	
Canine Influenza Vaccines	US	11/211,983	
Canine Influenza Vaccines	US	11/264,622	11/211,983
Omeprazole Prevention of Ulcers	US	09/867285	
DNA Molecules Encoding Ligand Gated Ion Channels from			
Dermacentor Variabiles	US	11840519	10/239420
DNA Molecules Encoding Ligand Gated Ion Channels from			
Dermacentor Variabiles	US	11840542	10/239420
DNA Molecules Encoding Ligand Gated Ion Channels from			
Dermacentor Variabiles	US	12684705	11840542
Vaccine Spray System	US	10/350,557	
Avipox Recombinants Expressing Foot and Mouth Disease			
Virus (FMDV) Genes	US	11110480	
Needle-free Administration of FeLV Vaccines	US	11/146,299	
Anthelmintic Oral Homogeneous Veterinary Pastes	US	11107048	10177822
Vesicular Stomatitis Virus	US	11505064	
Live Recombined Vaccines Injected with Adjuvant	US	622951/09	
Recombinant canine adenoviruses, m��thod for making			
and uses thereof	US	08675566	
Salmonella Vaccine	US	11953472	
Feline Calicivirus (FCV) Capside Gene and Recombinant	US	09 617594	

InvTitle	Country	App Number	Parent PCT Number
Feline Calicivirus (FCV) Capside Gene and Recombinant Postweaning Multisystemic Wasting Syndrome and Porcine Circovirus from Pigs	US	10/209507	
Process for the preparation of pesticidal compounds	US	11485240	
Process for the preparation of 9-DEOXO-8A-AZA-(8A-ALKYL)-8A-HOMOERYTHRROMYCIN a derivatives from 9-DEOXO-9(Z)-HYDROXYIMINOERYTHRROMYCIN A&E	US	10/297675	PCT/EP01/07399
AVERMECTIN AND AVERMECTIN MONOSACCHARIDES SUBSTITUTED IN THE 4'-AND 4"-POSITION HAVING COMPOSITIONS COMPRISING C-13 ALKOXYETHER MACROLIDE COMPOUNDS AND PHENYLPYRAZOLE	US	09/815389	
Recombinant Vaccine Against West Nile Virus	US	10568715	
Vaccine against Foot and Mouth Disease	US	11799796	
Immortal Avian Cells	US	10714781	
Immortal Avian Cells	US	10/327481	PCT/FR01/02042
Pesticidal Pyridinecarboxamide Derivatives	US	09/194,025	
DNA VACCINE-PCV	US	09/842,641	
Pesticidal Agents on the basis of 1-aryl-aminopyrrol	US	10514430	
PESTICIDAL COMPOUNDS	US	09586535	
1-ARYLPYRAZOLE DERIVATIVES PESTICIDAL AGENTS	US	11615679	PCTEP2005006326
Polymorphic B Form of 3-(cyclopropylmethoxy)-4-(4-(methylsulfonyl)phenyl)-5,5 dimethyl-5H-furan-2-one	US	12409252	11/615,656
Automatic Poultry Injection Delivery Apparatus	US	11615647	PCTEP2005006322
Topical Formulations Comprising A 1-N Arylpyrazol Derivative and A Formamidine	US	10117854	
DNA-Based Vaccination Of Fish By Immersion	US	10/295,635	
Avian Polynucleotide Vaccine Formula	US	10/783,459	
Controls of Arthropods in Animals	US	08/740805	
Controls of Arthropods in Animals	US	09/784990	
Controls of Arthropods in Animals	US	09/457,869	
Controls of Arthropods in Animals	US	09/590,069	
DNA Vaccines for Farm Animals; in particular Bovines and AVERMECTIN B1 MONOSACCHARIDE DERIVATIVES	US	10/342,203	
Controls of Arthropods in Animals	US	09/760,574	
Bovine Polynucleotide Vaccine for the Intradermal Route	US	10560390	
Bovine Polynucleotide Vaccine for the Intradermal Route	US	10/612,269	
New Parasitocidal Combination	US	09/232469	
Cyclic GMP Dependent Protein Kinase as a Chemotherapeutic Target for Antiprozoal Agents	US	10/077489	
DNA Encoding Novel Cyclic GMP Dependent Protein Kinase From Two Protozoal Sources For Use as Chemotherapeutic Targets for Antiprotozoal Agents	US	09/376736	
Canine Leishmania Vaccine	US	11525062	10/348,155
5-Aminoalkylpyrazole Derivatives as Pesticidal Agents	US	10/499,554	
Insecticidal Combination to Control Mammal fleas, In particular Fleas on Cats and Dogs	US	11942457	
Process which is useful for converting the Carbonyl function in position 4" of the Cladinose Unit of an Aza-Macrolide Into an Amine Derivative	US	11525741	PCTEP2005002277
Field Bag Boost	US	10052597	
Multiple Fluid Delivery Device For Poultry	US	09/858671	
Vinylaminopyrazole Derivatives as Pesticides	US	08/828,418	
Nucleic Acid Vaccination For Parvoviral Infections	US	11959400	
Polynucleotide Vaccine Formula In Particular Against Bovine Respiratory Pathology	US	11747293	PCTEP05010403
Useful process to transform function 4"(s)-oh of the reason cladinose of a aza macrolide into 4"(r)-nh2	US	09/171,425	
Dispersion Devices For Aggregates	US	10085519	
	US	09-484648	
	US	11870059	

InvTitle	Country	App Number	Parent PCT Number
METHYLTHIOAMIDE AMIDO AND ARYLAZOL-2-YL-			
METHYLTHIOAMIDE AMIDO COMPOUNDS, METHOD OF			
MAKING AND METHOD OF USING THEREOF	US	12582486	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND/OR			
A FORMAMIDINE, METHODS AND USES THEREOF	US	12618534	
Equine Herpes Virus Type1 Glycoprotein D (EHV-1gD)	US	094440	
Equine Herpes Virus Type1 Glycoprotein D (EHV-1gD)	US	532906	
Recombinant Poxvirus, Compositions and Methods of			
Inducing Immune Responses	US	08/458356	
Phenylpyrazole-Piperazines and Pesticides Compositions of			
Matter Thereof	US	11759378	PCT2005012904
Antiprotozoal Imidazopyridine Compounds	US	10548154	PCT/US04/006153
Method of Synthesizing Macrolide Compounds	US	12604618	
Vaccine Against African Horse Sickness Virus	US	12604048	
Recombinant Avian Influenza Vaccine	US	12628085	
Antiparasitic Composition for the Treatment and Protection	US	10/118404	
ENANTIOMERICALLY ENRICHED ARYLOAZOL-2-YL			
CYANOETHYLAMINO COMPOUNDS, METHOD OF MAKING	US	12618308	
DIMERIC AVERMECTIN AND MILBEMYCIN DERIVATIVES	US	12631249	
Aromatic Amides, Their Preparation Process and Their Use			
as Pesticides	US	09402704	PCT/EP98/02014
Intermediates Useful For The Synthesis of 1-Arylpyrrole	US	08501336	8320072
NEWCASTLE DISEASE VIRUS VECTORED AVIAN VACCINES	US	12753597	
Dihalopropene Compounds, Processes for Their			
Preparation, Compositions Comprising Them and Their Use	US	10289398	
Equine Herpes Virus Type1 Glycoprotein D (EHV-1gD)	US	717577	
PESTICIDAL 1-ARYLPYRAZOLES	US	09578859	9339175
Insecticidal Methods	US	09352358	
Pipette Applicator	US	29209377	
Chemical Compounds, Process for their preparation and the			
use thereof	US	11780823	PCTEP20060035
Control of Arthropods in Animals	US	09 727684	
Chemical Compounds, Process for their Preparation and use	US	11764255	PCTEP2005012973
5-Aminopyrazole derivatives as pesticidal compounds	US	11759386	PCT2005012903
Control of Arthropods in Animals	US	10 406491	
Control of Arthropods in Animals	US	11529778	11235087
1-Phenyl and 1-Pyridylpyrazole Derivatives and Their Use	US	10592519	PCT/EP2005/001981
Infectious Bursal Disease Virus Recombinant Poxvirus	US	303124	
Mareks Disease Virus Recombinant Poxvirus Vaccine	US	207792	
Poxvirus Canine Distemper Virus (CDV) Recombinant and	US	224657	
ALVAC POXVIRUS-RABIES COMPOSITIONS AND			
COMBINATION COMPOSIT IONS AND USES	US	486969	
IMMUNODEFICIENCY RECOMBINNT POXYVIRUS	US	136159	
GENETICALLY ENGINEERED VACCINE STRAIN	US	709209	
MAREK'S DISEASE VIRUS RECOMBINANT POXVIRUS	US	475063	
Assay for Porcine Circovirus Production	US	12101512	11403497
Novel Vaccine Formulations	US	11/107,000	
AQUEOUS SPECTINOMYCIN BORATE SOLUTIONS	US	369629	
TROVAC FOWL FOX VIRUS RECOMBINANTS COMPRISING			
HETEROLOGOUS INSERTS	US	458101	
NUCLEOTIDE AND AMINO ACID SEQUENCES OF CANINE			
HERPESVIRUS G D AND USES THEREOF	US	473446	
RECOMBINANT POXVIRUS-FELINE INFECTIOUS			
PERITIONITIS VIRUS, COMPOSITIONS THEREOF AND			
METHODS FOR MAKING AND USING THEM	US	566398	
Poxvirus-canine distemper virus (CDV) or measles virus			
reco mbinants and compositions and methods employing	US	354138	
Feline Calicivirus Genes and Vaccines in particular			
Recombined Vaccines	US	09616781	

InvTitle	Country	App Number	Parent PCT Number
Pesticidal 5-(ACYLAMINO) Pyrazole Derivatives	US	10537547	
Pesticidal Compositions	US	10537460	
Topical Formulations Comprising A 1-N Arylpyrazol Derivative and A Formamidine	US	12420325	10783459
MALONONITRILE COMPOUNDS	US	12158507	PCTEP2006069686
Heterocyclic Amide and Imine Derivatives, Processes for their Preparation, Compositions Compromising Them and Their Use as Pesticides	US	10 811578	10246220
Heterocyclic Amide and Imine Derivatives, Processes for their Preparation, Compositions Compromising Them and Their Use as Pesticides	US	11756525	10811578
Pesticidal 1-Ayl-3-Amidoxime-Pyrazole Derivatives	US	10537466	
DNA Molecules Encoding L-Glutamate-Gated Chloride Channels from Rhipicephalus sanguineus	US	11620347	10239588
DNA Molecules Encoding L-Glutamate-Gated Chloride Channels from Rhipicephalus sanguineus	US	11620390	11620347
DNA Molecules Encoding L-Glutamate-Gated Chloride Channels from Rhipicephalus sanguineus	US	11620435	10239588
Recombinant Live Vaccine Containing Canine Herpes virus, in particular against Carres disease, Rabies or the	US	09/213053	
Direct Spot-On Antiparasitic Skin Solution For Domestic	US	09/450186	
N-PHENYLPYRAZOLE DERIVATIVES AS PESTICIDES	US	11645323	PCTEP2005006325
Process For The Preparation of Pesticidal Compounds	US	10297676	
Adjustable Animal Watering System	US	12113483	
Bird vaccinating device and method or operation	US	10/035341	60259709
5-Substituted-Alkylaminopyrazole Derivatives As RECOMBINANT EQUINE HERPESVIRUS-1 VACCINE CONTAINING MUTATED GLYCOPROTEIN C AND USES	US	10506358	
AUTOMATIC EGG VACCINATOR	US	13840935	
EGG VACCINATION APPARATUS	US	11152613	
EGG VACCINATION APPARATUS	US	11584775	
EGG VACCINATION APPARATUS	US	12758933	11584775
1-Aryl-5-Alkyl Pyrazole Derivatives	US	13894601	12814289
IMPROVED PROCESSES FOR THE PREPARATION OF 1-ARYL- 5-ALKYL PYRAZOLE COMPOUNDS	US	13867699	
Sustained Release Capsules	US	13386202	PCT/NZ/2010/000146
Pesticidal 1-Arylpyrazoles	US	09516231	9036788
Cotton Rat Lung Cells for Virus Culture	US	10391498	
Viral Vaccines	US	304110	
Live Recombined Vaccines Injected with Adjuvant	US	10735429	09/622,951
Direct Spot-On Antiparasitic Skin Solution For Domestic	US	10/120691	
Improved Paste Formulations	US	09/504741	
Tissue Cement Proteins From Rhipicephalus Appendiculatus	US	10226489	9554547
Vaccination against Canine Herpesviruses and Vaccines	US	09/766083	
Arylisoxazoline Derivatives, Processes for their Preparation and their use as Pesticides	US	10102789	
Feline Polynucleotide Vaccine Formula	US	232278	
Equine granulocyte-macrophage colony-stimulating factor	US	09/589460	
Equine granulocyte-macrophage colony-stimulating factor	US	10614481	
New Vaccine Formulations	US	10899181	
Improved Inactivated FCV Vaccines	US	11040670	11038682
Assay for Porcine Circovirus Production	US	11/403,497	
Articular Cartilage Gene Therapy with Recombinant Vector Encoding BMP-7	US	11867919	
Leptospirosis Culture Process	US	11404690	
1-Aryl-5-Alkyl Pyrazole Derivatives	US	11825050	
9A-AZALIDES AS VETERINARY ANTIMICROBIAL AGENTS	US	09/508,489	PCT US98,18579
1-N-Arylpyrazole Derivatives in Prevention of Anthropod- Borne and Mosquito-Borne Diseases	US	10/374,627	
ML Oily Formulations	US	09043569	

InvTitle	Country	App Number	Parent PCT Number
Solvent Systems For Pour-On Formulations For Combating Anthelmintic Compositions	US	12324066	
Anthelmintic Compositions	US	09958814	PCT/NZ00/00053
Anthelmintic Compositions	US	12632569	9958814
Selenium Pour On	US	08334223	
ML/Antigen Combination	US	09/788,572	09/214,260
ML/Antigen Combination	US	09/214,260	
Genesis Prazoquantel Solution	US	09214543	
Syringe With Protective Cap	US	29305650	
Syringe With Protective Cap	US	29/305,651	
Feline Polynucleotide Vaccine Formula	US	902428	
DNA Molecules Encoding Ligand Gated Ion Channels from Dermacentor Variables	US	10/239,420	
Vaccine Compositions and Method	US	12759176	
Recombinant Vaccine Against West Nile Virus	US	12758500	10714781
Live Recombinant Avian Vaccine using an Avian Herpes Process for Preparing and Isolating 9-Deoxy-9(2)-Hydroxyiminoerythromycine A	US	09/740671	
Improved Paste Formulations	US	09083366	8178476
Leishmania Challenge Model	US	13296675	61415212
Process and Composition for the Antiparasitic Treatment of the Surrounding of Animals	US	09230282	PCT/EP97/03828
ANTIPARISITIC DIHYDROAZOLE COMPOUNDS AND COMPOSITIONS COMPRISING SAME	US	12970670	
INSECTICIDAL METHODS USING 4-AMINO-5-CHLORO-THIENO [2,3-D]-PYRIMIDINE COMPOUNDS	US	12301511	PCT/EP2007/054717
PYRAZOLE PESTICIDES	US	08946132	
Pesticidal 1-Arylpyrazoles	US	08989247	8946375
Pesticidal 1-Arylpyrazoles	US	09970667	9450450
Pesticidal 1-Arylpyrazoles	US	10196959	9970667
EMULSIFIABLE CONCENTRATE COMPRISING AN INSECTICIDAL 1-ARYLPYRAZOLE	US	09365183	
PESTICIDAL 1-ARYLPYRAZOLES	US	09339175	
6-HALOGENO-[1,2,4]TRIAZOLO[1,5-A]PYRIMIDINES FOR COMBATING ANIMAL PESTS	US	10570854	PCT/EP2004/010132
Nipah Virus Vaccine	US	12839556	11404534
Canine Leishmania Vaccine	US	12839580	11942457
Pesticidal 1-Arylpyrazoles	US	09036788	
Pesticidal 1-Arylpyrazoles	US	09714100	9516231
1-(NITROARYL)PYRROLE INTERMEDIATES TO PESTICIDAL 1-(HALOARYL)PYRROLES	US	08799455	8671691
SALTS OF AVERMECTINS SUBSTITUTED IN THE 4"-POSITION AND HAVING PESTICIDAL PROPERTIES	US	11319687	
4"-DEOXY-4"(S) AMINO AVERMECTIN DERIVATIVES	US	10488225	
Gene Therapy For Renal Failure	US	12794184	11803991
1-Aryl-5-Alkyl Pyrazole Derivatives	US	12814289	11825050
AVERMECTINS SUBSTITUTED IN THE 4"-POSITION HAVING PESTICIDAL PROPERTIES	US	11319686	
Methods and Apparatus for Automatic Jet Injection of Bird Vaccination of Skunks and/or Mongooses Against Rabies	WO	PCT/US05/11194	
Nipah Virus Vaccine	WO	PCT/US05/21918	
ATTENUATED MANNHEIMIA HAEMOLYTICA VACCINES AND METHODS OF MAKING AND USE	US	60/674,583	
TOPICAL DELIVERY FORMULATION	US	14075169	
USE OF MALONONITRILE COMPOUNDS FOR PROTECTING ANIMALS FROM PARASITES	US	61929371	
Vaccine Against Streptococci	US	61980832	
DNA Plasmids Having Improved Expression and Stability	US	60/786,936	
Canine Influenza Vaccines	US	60/795,324	
Coccidial Vaccine and Methods of Making and Using Same	WO	PCTUS06032914	
	WO	PCT/US06/014354	

InvTitle	Country	App Number	Parent PCT Number
Mixing Devices for Chemical Lysis of Cells	US	60/631,782	
Methods for Selectively Treating Cox-2 Mediated Disorders by Administering Gamma-Tocopherol	US	60/655,190	
ADJUVANT RABIES VACCINE WITH IMPROVED VISCOSITY	US	61477548	
HENDRA VIRUS RECOMBINANT COMPOSITIONS AND USES	US	61491037	
NOVEL METHOD FOR VACUUM-ASSISTED PRESERVATION OF BIOLOGICS INCLUDING VACCINES	US	61490987	
IMPROVED PROCESSES FOR THE PREPARATION OF 1-ARYL-5-ALKYL PYRAZOLE COMPOUNDS	US	61635969	
FLUORINATED OXA OR THIA HETEROARYLALKYLSULFIDE DERIVATIVES FOR COMBATING INVERTEBRATE PESTS	US	61261830	
RECOMBINANT GALLID HERPESVIRUS 3 (MDV SEROTYPE 2) VECTORS EXPRESSING ANTIGENS OF AVIAN	US	61564877	
LONG-ACTING INJECTABLE MOXIDECTIN FORMULATIONS AND NOVEL MOXIDECTIN CRYSTAL FORMS	US	61566336	
Canine GHRH Gene, Polypeptides and Methods of Use	WO	PCT/US05/15522	
STABILIZERS FOR FREEZE-DRIED VACCINES	US	60/717,640	
STABILIZERS FOR FREEZE-DRIED VACCINES	WO	PCT/US06/035944	
Gene Therapy For Renal Failure	US	60/736,452	
Gene Therapy For Renal Failure	WO	PCTUS2006044048	
Attenuated Pasteurella Multocida Vaccines & Methods of Making & Use Thereof.	US	14528305	
PARASITICIDAL ORAL VETERINARY COMPOSITIONS COMPRISING ISOXAZOLINE ACTIVE AGENTS, METHODS	US	61595463	
FIPRONIL AND PERMETHRIN AND A SOLVENT SYTEM FOR MAINTAINING SYNERGISTIC EFFICACY AND METHODS OF USE	US	61602472	
Rotavirus Subunit Vaccines and Methods of Making and Use	US	61598624	
Recombinant Poxviral Vectors Expressing both Rabies and OX40 Proteins, and Vaccines Made Therefrom	US	61598610	
PARASITICIDAL COMPOSITIONS COMPRISING BENZIMIDAZOLE DERIVATIVES, METHODS AND USES	US	61635961	
against rabies in companion animals, based upon administration of replication-deficient flavivirus expressing rabies G	US	61611604	
Modified Marek's Disease Virus, and Vaccines Made	US	61614142	
AMIDO-PYRIDYL ETHER COMPOUNDS AND COMPOSITIONS AND THEIR USE AGAINST PARASITES	WO	PCT/US12/44476	
ATTENUATED STREPTOCOCCUS SUI VACCINES AND METHODS OF MAKING AND USE THEREOF	US	61664935	
NOVEL METHOD FOR VACUUM-ASSISTED PRESERVATION OF BIOLOGICS INCLUDING VACCINES	US	13485437	
Useful process to transform function 4"(s)-oh of the reason cladinose of a aza macrolide into 4"(r)-nh2	US	60/127400	
LYME COMBINATION COMPOSITIONS AND USES	WO	PCT/US98/04135	
Porcine circovirus recombinant poxvirus vaccine	US	60/138478	
ANTHELMINTIC COMPOUNDS AND COMPOSITIONS AND METHOD OF USING THEREOF	US	61728782	
ATTENUATED MANNHEIMIA HAEMOLYTICA VACCINES AND METHODS OF MAKING AND USE	US	61723979	
Canine Leishmania Vaccine	US	60/866,848	
Salmonella Vaccine	US	60869524	
Anthelmintic Oral Homogeneous Veterinary Pastes	WO	PCTUS2006048672	
Long Acting Injectable Formulations	WO	PCTUS0632407	
Omeprazole Prevention of Ulcers	US	60/207878	
Novel Oral And Long-Acting Injectable Veterinary Antibiotic Formulations	US	60/842,877	
Needle-free Administration of FeLV Vaccines	WO	PCT/US2005/019816	
Energy Absorbing Container	US	60/748,374	

InvTitle	Country	App Number	Parent PCT Number
Energy Absorbing Container	WO	PCTUS0647025	
Vesicular Stomatitis Virus	US	60833208	
Water Miscible Microlide Solutions	WO	PCTUS9915549	
DNA Vaccines For Pets and Sport Animals	US	60/1444490	
Recombinant Vaccine Against West Nile Virus	US	60281923	
Feline Calicivirus (FCV) Capside Gene and Recombinant	US	60/193332	
Postweaning Multisystemic Wasting Syndrome and Porcine Circovirus from Pigs	US	60/069233	
Postweaning Multisystemic Wasting Syndrome and Porcine Circovirus from Pigs	US	60/069750	
Postweaning Multisystemic Wasting Syndrome and Porcine Circovirus from Pigs	US	09/209961	
PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV) RECOMBINANT POXVIRUS VACCINE	US	60/206655	
Recombinant Vaccine Against West Nile Virus	US	10374953	
Duck Pneumovirus and Corresponding Vaccines	US	10/155578	
Polynucleotide Vaccine Formula for Treating Dog Diseases, Particularly Respiratory and Digestive Diseases	US	09/784982	
Process for the preparation of 9-DEOXO-8A-AZA-(8A- ALKYL)-8A-HOMOERYTRHROMYCIN a derivatives from 9- DEOXO-9(Z)-HYDROXYIMINOERYTRHROMYCIN A&E	US	60/198721	
DNA Vaccines for Farm Animals; in particular Bovines and	WO	PCT/IB2003/001215	
New Parasitocidal Combination	WO	PCTUS0618657	
Process For The Preparation of Pesticidal Compounds	WO	PCT/EP01/07398	
NOVEL INSECT-REPELLENT COUMARIN DERIVATIVES, SYNTHESES, AND METHODS OF USE	US	61501485	
Parasitocidal Spiroindoline Derivatives	US	61944850	
Attenuated Virulence Leptospira Interrogans Strains	US	61944773	
PCV MULTIVALENT VACCINE AND USES THEREOF	US	62056034	
Process which is useful for converting the Carbonyl function in position 4" of the Cladinose Unit of an Aza-Macrolide Into an Amine Derivative	US	60/219513	
Field Bag Boost	WO	PCT/US98/06016	
Multiple Fluid Delivery Device For Poultry	US	60/871,084	
Recombinant Vaccine Against West Nile Virus	WO	FR0101200	
Dispersion Devices For Aggregates	US	60/851,037	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND/OR A FORMAMIDINE, METHODS AND USES THEREOF	US	61116038	
FORMULATIONS COMPRISING CEFTIOFUR AND BENZYL	US	61116031	
Pesticidal Substituted Piperidine	WO	PCTEP200600132	
Anthelmintic Flavones From Struthiola Argenta	WO	PCT/08/000299	
Vaccine Against African Horse Sickness Virus	US	61108075	
Recombinant Avian Influenza Vaccine	US	61118492	
ARYLOAZOL-2-YL CYANOETHYLAMINO PENTAFLUOROTHIOMBENZAMIDO COMPOUNDS, METHOD OF	US	61114665	
ENANTIOMERICALLY ENRICHED ARYLOAZOL-2-YL CYANOETHYLAMINO COMPOUNDS, METHOD OF MAKING	US	61114656	
ENANTIOMERICALLY ENRICHED ARYLOAZOL-2-YL CYANOETHYLAMINO COMPOUNDS, METHOD OF MAKING	US	61176136	
INTRAMAMMARY TEAT SEALANT	US	61119763	
COMPOSITION FOR CONTROLLING FISH	US	61158121	
NEWCASTLE DISEASE VIRUS VECTORED AVIAN VACCINES	US	61166481	
ANTIBIOTIC-FREE PLASMID	US	61180755	
Immortalized Avian Cell Lines	US	11031417	
Pesticidal Substituted Thioethers	WO	PCTEP20060047	
Chemical Compounds, Process for their preparation and the use thereof	WO	PCTEP20060035	
5-Aminopyrazole derivatives as pesticidal compounds	WO	PCT2005012903	
Chemical Compounds, Process for their Preparation and use	WO	PCT2005012973	

InvTitle	Country	App Number	Parent PCT Number
Phenylpyrazole-Piperazines and Pesticides Compositions of Matter Thereof	WO	PCT2005012904	
Novel Vaccine Formulations	WO	PCT/US06/13936	
Pesticidal Substituted Benzylethers	WO	PCT/EP/2006/003968	
Production of Porcine Circovirus Proteins in Plants	US	60933105	
Water Miscible Erythromycin Solutions	WO	PCT/US97/11460	
Pipette/Applicator and Optional Tops Therefor	US	000158803-0001	
Methoprene Formulations for the Control of Tick	WO	PCTUS2005030790	
Stabilized Formulation of Ivermectin Feed Premix	WO	PCT/US04/42519	
Chimeric Vectors	WO	PCTUS05035785	
Skin innate response linked to protective intradermal vaccination against respiratory infection	US	61912350	
Compositions and Vaccines containing Antigen(s) Of Crytosporidium Parvum and of another Pathogen	US	60/171399	
Compositions and Vaccines containing Antigen(s) Of Crytosporidium Parvum and of another Pathogen	US	09/733329	
Adjustable Animal Watering System	US	60927381	
Method and Device for Conditional in ovo Injection	US	62000245	
FMDV RECOMBINANT VACCINES AND USES THEREOF	US	62054073	
ANTIPARISITIC AND PESTICIDAL ISOXAZOLINE	US	14528172	
1-Aryl-5-Alkyl Pyrazole Derivatives	US	14325761	13894601
Inactivated Vaccine for Porcine Epidemic Diarrhea Virus	US	62023434	
ANTHELMINTIC COMPOUNDS	US	62000256	
Recombinant Spike Protein Subunit Based Vaccine for Porcine Epidemic Diarrhea Virus (PEDV)	US	62000240	
Novel Cryopreservation Bags and method of use thereof for Closed System, High Capacity Cell-Banking	US	62037181	
Mammalian Cell Lines Expressing Functional Nematode Acetylcholine Receptors, and Use thereof for High-	US	62047822	
HAEMOPHILUS PARASUIS VACCINE SEROVAR TYPE FOUR	US	14507397	
HAEMOPHILUS PARASUIS VACCINE SEROVAR TYPE FOUR	WO	PCTUS1459330	
RAPIDLY DISSOLVING VACCINE COMPOSITIONS	US	62062180	
Attenuated Pasteurella Multocida Vaccines & Methods of Making & Use Thereof.	WO	PCTUS1463099	
ANTIPARISITIC AND PESTICIDAL ISOXAZOLINE	WO	PCTUS1463074	
Novel Methods for Freeze-drying and Rehydrating Biologics	US	61966699	
IMPROVED PROCESSES FOR THE PREPARATION OF 1-ARYL-5-ALKYL PYRAZOLE COMPOUNDS	US	14543341	13867699
Skin innate response linked to protective intradermal vaccination against respiratory infection	WO	PCT/US14/68913	
Enzyme-Linked Immunosorbent Assay (ELISA) for the Detection of Anti-Mycoplasma hyorhinitis IgG in Swine	US	62088417	
Skin innate response linked to protective intradermal vaccination against respiratory infection	US	14562440	
ANTHELMINTIC COMPOUNDS AND COMPOSITIONS AND METHOD OF USING THEREOF	US	62105463	
Cotton Rat Lung Cells for Virus Culture	WO	US03/08418	
Cotton Rat Lung Cells for Virus Culture	US	60/366014	
Vaccination against Canine Herpesviruses and Vaccines	US	60/193227	
Long-Acting Injectable Analgesic Formulations For Animals	US	61081561	
Equine granulocyte-macrophage colony-stimulating factor	US	60/138843	
Assay for Porcine Circovirus Production	US	60/670,892	
Assay for Porcine Circovirus Production	WO	PCTUS0614068	
Attenuated Pasteurella Multocida Vaccines & Methods of Making & Use Thereof.	US	61898497	
ANTIPARISITIC AND PESTICIDAL ISOXAZOLINE	US	61898578	
9A-AZALIDES AS VETERINARY ANTIMICROBIAL AGENTS	US	60/058,330	

InvTitle	Country	App Number	Parent PCT Number
Porcine Circovirus and Helicobacter Combination Vaccines and Methods of Use	WO	PCTUS0613935	
Leptospirosis Culture Process	US	60/673,227	
Leptospirosis Culture Process	WO	PCT/US06/14365	
1-N-Arylpyrazole Derivatives in Prevention of Anthropod-Borne and Mosquito-Borne Diseases	WO	PCT/US2004/05477	
Adjustable Dosage Syringe	US	60781831	
Anthelmintic Formulations	US	61075071	
Solvent Systems For Pour-On Formulations For Combating	US	60990205	
Multiactive 3-way Formulation	US	10542032	
Anthelmintic Formulations	WO	PCT/NZ2005/000243	
DNA Molecules Encoding Ligand Gated Ion Channels from Dermacentor Variabiles	US	60/193,935	
PESTICIDAL BIS-ORGANOSULFUR COMPOUNDS	US	61266755	
Recombinant NDV Antigen and Uses Thereof	US	61290297	
Recombinant CDV Compositions and uses thereof	US	61308620	
NEW VACCINE FORMULATIONS COMPRISING SAPONIN-CONTAINING ADJUVANTS	US	61241171	
non-aqueous solution pour-on and spray-on formulations useful for the prevention and treatment of insect infestation in animals	US	61244142	
COMPOSITIONS COMPRISING MACROCYCLIC LACTONE COMPOUNDS AND SPIRODIOXEPINOINDOLES	US	61287532	
ANTIPARISITIC DIHYDROAZOLE COMPOUNDS AND COMPOSITIONS COMPRISING SAME	US	61287545	
Parasiticial Compositions Comprising Multiple Active Agents, Methods and Uses Thereof	US	61320559	
Process for Preparing and Isolating 9-Deoxo-9(2)-Hydroxyiminoerythromycine A	US	60/186129	
Postweaning Multisystemic Wasting Syndrome and Porcine Circovirus from Pigs	WO	CA98/01130	
AMIDO-PYRIDYL ETHER COMPOUNDS AND COMPOSITIONS AND THEIR USE AGAINST PARASITES	US	61501492	
RECOMBINANT FELINE LEUKEMIA VIRUS VACCINE CONTAINING OPTIMIZED FELINE LEUKEMIA VIRUS	US	61509912	
EXPRESSION OF CHIMERIC KSAC PROTEIN AND METHOD OF PRODUCING SOLUBLE PROTEIN BY HIGH PRESSURE	US	61694968	
METHOD OF PROVIDING PROTECTIVE IMMUNITY AGAINST HETEROLOGOUS LEPTOSPIRA STRAINS	US	61672386	
ATTENUATED SWINE INFLUENZA VACCINES AND METHODS OF MAKING AND USE THEREOF	US	61672398	
RECOMBINANT HVT VECTORS EXPRESSING ANTIGENS OF AVIAN PATHOGENS AND USES THEREOF	US	61694957	
Recombinant CDV Compositions and uses thereof	WO	PCT/US11/026378	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND A SUBSTITUTED IMIDAZOLE, METHODS AND USES THEREOF	US	61560969	
Lipid Based Adjuvants for DNA Plasmids	US	61584874	
Long-acting nanoencapsulated arthropod repellent formulations and methods of use thereof	US	61590395	
PARASITICIDAL COMPOSITIONS COMPRISING ISOXAZOLINE ACTIVE AGENT, METHODS AND USES	US	61533308	
COMPANION ANIMAL MEDICINE REMINDER TAG	US	61452185	
Her2 DNA Vaccine as Adjunct Treatment for Cancers in Companion Animals	US	61394505	
Topical Combination Formulations of Macrocyclic Lactones with Synthetic Pyrethroids	US	61420744	
Novel Monensin Derivatives for the Treatment and Prevention of Protozoal Infections	US	61414234	
Leishmania Challenge Model	US	61415212	

InvTitle	Country	App Number	Parent PCT Number
NEWCASTLE DISEASE VIRUS VECTORED HERPESVIRUS	US	61378575	
NEW VACCINE FORMULATIONS COMPRISING SAPONIN-CONTAINING ADJUVANTS	WO	PCTUS1048256	
non-aqueous solution pour-on and spray-on formulations useful for the prevention and treatment of insect infestation in animals	WO	PCT/US10/49612	
Insecticidal 4-amino-thieno[2,3-d]-pyrimidine compounds and methods of their use	US	61229769	
HIGH RESOLUTION MELT GENOTYPING OF IBV, CSFV and METHOD FOR TREATING AND CURING LEISHMANIOSIS USING FEXINIDAZOLE	US	61738688	
Method of Synthesizing Nodulisporamide	US	61758918	
Apparatus and method for Administering an Avian Vaccine	US	60/415,627	
New Vaccine Formulations	US	60/425,987	
Methods and Apparatus for Automatic Jet Injection of Bird	US	12027776	10899181
Vaccination of Skunks and/or Mongooses Against Rabies	US	60/559,138	
Topical Anthelmintic Veterinary Formulations	US	60/627,878	
Canine GHRH Gene, Polypeptides and Methods of Use	WO	PCT/US2004/010425	
Canine GHRH Gene, Polypeptides and Methods of Use	US	60/467,405	
Non-Animal Product Containing Veterinary Formulations	WO	PCT/US04/13550	
Cryptosporidium Parvum Subunit Vaccine	WO	PCT/US04/042380	
Cryptosporidium Parvum Subunit Vaccine	US	60/495,045	
Non-Animal Product Containing Veterinary Formulations	WO	PCT/US2004/026146	
Vaccine Spray System	WO	PCT/US03/25448	
Avipox Recombinants Expressing Foot and Mouth Disease Virus (FMDV) Genes	WO	PCT/US03/35732	
Needle-free Administration of FeLV Vaccines	US	60/563,786	
Medium and Methods For Culturing of Avian Primordial	US	60/576,771	
Automatic Poultry Injection Delivery Apparatus	US	60/578,537	
Automatic Poultry Injection Delivery Apparatus	US	60/331,468	
Topical Formulations Comprising A 1-N Arylpyrazol Derivative and A Formamidine	WO	PCT/US02/37311	
Nodulisporic Acid Derivative Spot-On Formulations for Combating Parasites	WO	PCT/US04/42379	
Vaccination of Skunks Against Rabies	US	PCT/US03/30500	
Stabilized Formulation of Ivermectin Feed Premix	US	60581698	
Stabilized Formulation of Ivermectin Feed Premix	US	60/530,939	
Chimeric Vectors	US	10790489	
Methods and Apparatus For Automatic Jet Injection of Bird	US	10958267	
Pesticidal 5-Substituted-Oxyalkylamino-a-Arylpyrazole	US	60/624,970	
VETERINARY SYRINGE FOR MULTIPLE INJECTIONS	US	10570042	
New Vaccine Formulations	US	14496610	12921807
New Vaccine Formulations	US	60/490,345	
Improved Inactivated FCV Vaccines	WO	PCT/US2004/024027	
Systems and Methods for Improving Efficiencies in Avian	US	60/537,849	
VETERINARY SYRINGE FOR MULTIPLE INJECTIONS	WO	PCTUS0540484	
Vaccination of Skunks and/or Mongooses Against Rabies	US	12921807	PCT/NZ2009/000035
Nipah Virus Vaccine	US	11156829	
ATTENUATED PARVOVIRUS VACCINE FOR MUSCOVY DUCK	WO	PCT/US06/014134	
PARVOVIRUS AND GOOSE PARVOVIRUS (DERZSY	WO	PCTUS1358981	
ANTIPARASITIC DIHYDROAZOLE COMPOUNDS AND COMPOSITIONS COMPRISING SAME	US	14086712	12970670
METHOD FOR TREATING AND CURING LEISHMANIOSIS USING FEXINIDAZOLE	US	14086712	
Vaccine Against Streptococci	WO	PCTUS1414134	
DNA Plasmids Having Improved Expression and Stability	WO	PCTUS0765427	
Mixing Devices for Chemical Lysis of Cells	WO	PCTUS07010547	
Canine Influenza Vaccines	WO	PCT/US05/42797	
Rotavirus Subunit Vaccines and Methods of Making and Use	WO	PCTUS0783648	
	US	13767569	

InvTitle	Country	App Number	Parent PCT Number
INJECTABLE PARASITICIDAL FORMULATIONS OF LEVAMISOLE AND MACROCYCLIC LACTONES	WO	PCT/US11/36321	
FLUORINATED OXA OR THIA HETEROARYLALKYLSULFIDE DERIVATIVES FOR COMBATING INVERTEBRATE PESTS	WO	PCT/EP2010/067248	
Topical Combination Formulations of Macrocyclic Lactones with Synthetic Pyrethroids	WO	PCT/US11/63497	
Insecticidal 4-amino-thieno[2,3-d]-pyrimidine compounds and methods of their use	US	13386194	PCT/US10/43717
COMPANION ANIMAL MEDICINE REMINDER TAG	WO	PCT/US12/29068	
Canine Influenza Vaccines	US	12020656	11/264,622
Canine Influenza Vaccines	WO	PCT/US09/32154	
Gene Therapy For Renal Failure	WO	PCTUS0784274	
Anthelmintic Oral Homogeneous Veterinary Pastes	WO	PCT/US07/88225	
COMPANION ANIMAL MEDICINE REMINDER TAG	US	13420217	
METHOD FOR TREATING AND CURING LEISHMANIOSIS USING FEXINIDAZOLE	US	14169713	
HENDRA VIRUS RECOMBINANT COMPOSITIONS AND USES	US	13478165	
HENDRA VIRUS RECOMBINANT COMPOSITIONS AND USES	WO	PCTUS1239026	
FLUORINATED OXA OR THIA HETEROARYLALKYLSULFIDE DERIVATIVES FOR COMBATING INVERTEBRATE PESTS	US	13510197	PCT/EP2010/067248
ATTENUATED MANNHEIMIA HAEMOLYTICA VACCINES AND METHODS OF MAKING AND USE	WO	PCTUS1369144	
ANTHELMINTIC COMPOUNDS AND COMPOSITIONS AND METHOD OF USING THEREOF	WO	PCTUS201370731	
NOVEL METHOD FOR VACUUM-ASSISTED PRESERVATION OF BIOLOGICS INCLUDING VACCINES	WO	PCTUS1240230	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND A SUBSTITUTED IMIDAZOLE, METHODS AND USES THEREOF	WO	PCT/US12/65462	
Antiparasitical Agents and Methods for Treating, Preventing and Controlling External Parasites in Animals	WO	PCT/US05/13097	
Methods for Selectively Treating Cox-2 Mediated Disorders by Administering Gamma-Tocopherol	WO	PCT/US06/06046	
Novel Oral And Long-Acting Injectable Veterinary Antibiotic Formulations	WO	PCTUS0719357	
Avipox Recombinants Expressing Foot and Mouth Disease Virus (FMDV) Genes	WO	PCT/US05/013523	
Vesicular Stomatitis Virus	WO	PCT/US07/016731	
Salmonella Vaccine	WO	PCTUS0786979	
METHOD OF PROVIDING PROTECTIVE IMMUNITY AGAINST HETEROLOGOUS LEPTOSPIRA STRAINS	WO	PCT/US13/49997	
Canine Leishmania Vaccine	WO	PCTUS0785142	
Reverse genetics Schmallerberg virus vaccine compositions, and methods of use thereof	US	14204248	
Reverse genetics Schmallerberg virus vaccine compositions, and methods of use thereof	WO	PCT/US14/23243	
LONG-ACTING INJECTABLE MOXIDECTIN FORMULATIONS AND NOVEL MOXIDECTIN CRYSTAL FORMS	US	14225187	13690185
NEWCASTLE DISEASE VIRUS VECTORED AVIAN VACCINES	US	14268302	12753597
Multiple Fluid Delivery Device For Poultry	WO	PCTUS0787997	
Dispersion Devices For Aggregates	WO	PCTUS0780958	
METHYLTHIOAMIDE AMIDO AND ARYLAZOL-2-YL- METHYLTHIOAMIDE AMIDO COMPOUNDS, METHOD OF MAKING AND METHOD OF USING THEREOF	WO	PCTUS0961337	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND/OR A FORMAMIDINE, METHODS AND USES THEREOF	WO	PCT/US09/64443	
FORMULATIONS COMPRISING CEFTIOFUR AND BENZYL	WO	PCT/US09/64978	
DIMERIC 1-ARYLPYRAZOLE DERIVATIVES	WO	PCT/US09/64981	
Vaccine Against African Horse Sickness Virus	WO	PCTUS2009061669	

InvTitle	Country	App Number	Parent PCT Number
ENANTIOMERICALLY ENRICHED ARYLOAZOL-2-YL CYANOETHYLAMINO COMPOUNDS, METHOD OF MAKING	WO	PCT/US09/64392	
INTRAMAMMARY TEAT SEALANT	WO	PCT/US09/66594	
DIMERIC AVERMECTIN AND MILBEMYCIN DERIVATIVES	WO	PCT/US09/66768	
NEWCASTLE DISEASE VIRUS VECTORED AVIAN VACCINES	WO	PCT/US10/29825	
Medium and Methods For Culturing of Avian Primordial Pipette/Applicator	WO	057580821	PCT/US0520033
	WO	PCT/US2005/010446	
COMPOSITIONS COMPRISING C-13 ALKOXYETHER MACROLIDE COMPOUNDS AND PHENYLPYRAZOLE	WO	PCTUS0710611	
Adjustable Animal Watering System	WO	PCT/US08/62190	
PARASITICIDAL ORAL VETERINARY COMPOSITIONS COMPRISING ISOXAZOLINE ACTIVE AGENTS, METHODS	WO	PCTUS1323969	
Recombinant Avian Influenza Vaccine	US	14153512	13744806
N-PHENYLPYRAZOLE DERIVATIVES AS PESTICIDES	WO	PCTEP2005006325	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND/OR A FORMAMIDINE, METHODS AND USES THEREOF	US	13765542	12618534
against rabies in companion animals, based upon administration of replication-deficient flavivirus expressing rabies G	WO	PCTUS1332514	
PARASITICIDAL ORAL VETERINARY COMPOSITIONS COMPRISING ISOXAZOLINE ACTIVE AGENTS, METHODS	US	13754969	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND A SUBSTITUTED IMIDAZOLE, METHODS AND USES THEREOF	US	14358309	PCT/US12/65462
ATTENUATED STREPTOCOCCUS SUIS VACCINES AND METHODS OF MAKING AND USE THEREOF	US	13924871	
ATTENUATED SWINE INFLUENZA VACCINES AND METHODS OF MAKING AND USE THEREOF	US	13939321	
METHOD OF PROVIDING PROTECTIVE IMMUNITY AGAINST HETEROLOGOUS LEPTOSPIRA STRAINS	US	13939300	
ATTENUATED SWINE INFLUENZA VACCINES AND METHODS OF MAKING AND USE THEREOF	WO	PCT/US13/50000	
IMPROVED PROCESSES FOR THE PREPARATION OF 1-ARYL- 5-ALKYL PYRAZOLE COMPOUNDS	WO	PCTUS1337596	
PARASITICIDAL COMPOSITIONS COMPRISING BENZIMIDAZOLE DERIVATIVES, METHODS AND USES	WO	PCTUS1337193	
COMPOSITIONS COMPRISING AN ARYL PYRAZOLE AND A SUBSTITUTED IMIDAZOLE, METHODS AND USES THEREOF	US	14493562	14358309
Her2 DNA Vaccine as Adjunct Treatment for Cancers in Companion Animals	US	13272651	
Her2 DNA Vaccine as Adjunct Treatment for Cancers in Companion Animals	WO	PCTUS201156122	
ATTENUATED STREPTOCOCCUS SUIS VACCINES AND METHODS OF MAKING AND USE THEREOF	WO	PCT/US13/47282	
ANTHELMINTIC COMPOUNDS AND COMPOSITIONS AND METHOD OF USING THEREOF	US	14083879	
against rabies in companion animals, based upon administration of replication-deficient flavivirus expressing rabies G	US	13841383	
Modified Marek's Disease Virus, and Vaccines Made	US	13841684	
Long-Acting Injectable Analgesic Formulations For Animals	WO	PCT/US09/51079	
Improved Inactivated FCV Vaccines	WO	PCT/US05/001721	
Improved Inactivated FCV Vaccines	WO	PCT/US06/02168	
Articular Cartilage Gene Therapy with Recombinant Vector Encoding BMP-7	WO	PCT/US08/79090	
9A-AZALIDES AS VETERINARY ANTIMICROBIAL AGENTS	WO	PCT/US98/18579	
Adjustable Dosage Syringe	WO	PCTUS07006227	
Mycoplasma Hyopneumoniae Vaccine	US	60778987	
Mycoplasma Hyopneumoniae Vaccine	WO	PCTUS07004978	
Anthelmintic Formulations	WO	PCT/US09/048482	

InvTitle	Country	App Number	Parent PCT Number
Solvent Systems For Pour-On Formulations For Combating DNA Molecules Encoding Ligand Gated Ion Channels from Dermacentor Variables	WO	PCT/US08/84884	
RECOMBINANT EQUINE HERPESVIRUS-1 VACCINE CONTAINING MUTATED GLYCOPROTEIN C AND USES	WO	PCT/US01/09956	
ANTIBIOTIC-FREE PLASMID	US	PCTUS1332491	
ANTIBIOTIC-FREE PLASMID	US	12786186	
Attenuated Gram Negative Bacteria	WO	PCT/US10/35979	
PARASITICIDAL COMPOSITIONS COMPRISING ISOXAZOLINE ACTIVE AGENT, METHODS AND USES	WO	PCT/US03/10308	
PARASITICIDAL COMPOSITIONS COMPRISING ISOXAZOLINE ACTIVE AGENT, METHODS AND USES	US	13611025	
EXPRESSION OF CHIMERIC KSAC PROTEIN AND METHOD OF PRODUCING SOLUBLE PROTEIN BY HIGH PRESSURE	WO	PCTUS1254719	
EXPRESSION OF CHIMERIC KSAC PROTEIN AND METHOD OF PRODUCING SOLUBLE PROTEIN BY HIGH PRESSURE	US	14014437	
Topical Formulations Comprising A 1-N Arylpyrazol Derivative and A Formamidine	WO	PCTUS1357430	
Recombinant CDV Compositions and uses thereof	US	13555546	12420325
Novel Monensin Derivatives for the Treatment and Prevention of Protozoal Infections	US	13035904	
Leishmania Challenge Model	WO	PCTUS1160913	
FIPRONIL AND PERMETHRIN AND A SOLVENT SYTEM FOR MAINTAINING SYNERGISTIC EFFICACY AND METHODS OF USE	WO	PCTUS1160745	
NEWCASTLE DISEASE VIRUS VECTORED HERPESVIRUS	WO	PCT/US13/27312	
Recombinant NDV Antigen and Uses Thereof	WO	PCT/US11/49554	
COMPOSITIONS COMPRISING MACROCYCLIC LACTONE COMPOUNDS AND SPIRODIOXEPINOINDOLES	US	12979677	
ANTIPARISITIC DIHYDROAZOLE COMPOUNDS AND COMPOSITIONS COMPRISING SAME	WO	PCT/US10/60840	
Recombinant NDV Antigen and Uses Thereof	WO	PCT/US10/60833	
NEW VACCINE FORMULATIONS COMPRISING SAPONIN-CONTAINING ADJUVANTS	WO	PCT/US10/62209	
HERBICIDAL COMPOSITIONS	US	12878630	
Insecticidal 4-amino-thieno[2,3-d]-pyrimidine compounds and methods of their use	WO	PCT/EP2001/010693	
Sustained Release Capsules	WO	PCT/US10/43717	
Energy Absorbing Container	US	14274282	13386202
RECOMBINANT HVT VECTORS EXPRESSING ANTIGENS OF AVIAN PATHOGENS AND USES THEREOF	US	12849611	12640241
RECOMBINANT HVT VECTORS EXPRESSING ANTIGENS OF AVIAN PATHOGENS AND USES THEREOF	US	13689625	
RECOMBINANT GALLID HERPESVIRUS 3 (MDV SEROTYPE 2) VECTORS EXPRESSING ANTIGENS OF AVIAN	WO	PCTUS1267135	
RECOMBINANT GALLID HERPESVIRUS 3 (MDV SEROTYPE 2) VECTORS EXPRESSING ANTIGENS OF AVIAN	WO	PCTUS1267123	
LONG-ACTING INJECTABLE MOXIDECTIN FORMULATIONS AND NOVEL MOXIDECTIN CRYSTAL FORMS	US	13689572	
Lipid Based Adjuvants for DNA Plasmids	WO	PCTUS1267215	
Recombinant Avian Influenza Vaccine	WO	PCTUS1321015	
Long-acting nanoencapsulated arthropod repellent formulations and methods of use thereof	US	13744806	12628085
Rotavirus Subunit Vaccines and Methods of Making and Use	WO	PCT/US13/23427	
Recombinant Poxviral Vectors Expressing both Rabies and OX40 Proteins, and Vaccines Made Therefrom	WO	PCTUS1326179	
Recombinant Poxviral Vectors Expressing both Rabies and OX40 Proteins, and Vaccines Made Therefrom	US	13767603	
	WO	PCTUS1326206	

InvTitle	Country	App Number	Parent PCT Number
FIPRONIL AND PERMETHRIN AND A SOLVENT SYTEM FOR MAINTAINING SYNERGISTIC EFFICACY AND METHODS OF USE	US	13774159	
Modified Marek's Disease Virus, and Vaccines Made	WO	PCTUS1332539	
Arylazol-2-YL Cyanoethylamide Compounds, Method of Making and Method of Using Thereof	US	60930485	
Leishmania Vaccine Using Sand Fly Salivary Immunogen	US	12436398	
Leishmania Challenge Model	US	13841949	13296675
Leishmania Vaccine Using Sand Fly Salivary Immunogen	US	14069406	12436398
Leishmania Vaccine Using Sand Fly Salivary Immunogen	US	61101345	
Leishmania Vaccine Using Sand Fly Salivary Immunogen	WO	PCTUS0942980	
PRODUCTION OF HEMAGGLUTININ-NEURAMINIDASE PROTEIN IN MICROALGAE	US	12980320	
ADJUVANT RABIES VACCINE WITH IMPROVED VISCOSITY	US	13451667	
Multi-chamber, Multi-formulation Fluid Delivery System	US	14488968	
Multi-chamber, Multi-formulation Fluid Delivery System	WO	PCTUS1456081	
Multi-chamber, Multi-formulation Fluid Delivery System	US	61878860	
Vaccine Against African Horse Sickness Virus	US	14060023	13357755
Coccidial Vaccine and Methods of Making and Using Same	US	11348084	11106780
RECOMBINANT AVIAN PARAMYXOVIRUS VACCINE AND METHOD FOR MAKING AND USING THEREOF	US	12860589	
RECOMBINANT AVIAN PARAMYXOVIRUS VACCINE AND METHOD FOR MAKING AND USING THEREOF	US	13894582	12860589
REASSORTANT BTV AND AHSV VACCINES	US	61659198	
REASSORTANT BTV AND AHSV VACCINES	US	13917259	
REASSORTANT BTV AND AHSV VACCINES	WO	PCT/US13/45667	
Indirect Modeling of New Repellent Molecules Active Against Insects, Acarids, and other Anthropods	US	61538425	
Indirect Modeling of New Repellent Molecules Active Against Insects, Acarids, and other Anthropods	WO	PCTUS1256690	