

# VT

# SANIDAD ANIMAL

# 37

**Vigilancia  
Tecnológica**  
1º trimestre 2020



El Boletín de Vigilancia Tecnológica en Sanidad Animal es el resultado del trabajo conjunto de la Oficina Española de Patentes y Marcas (OEPM) y la Fundación Vet+i - Plataforma Tecnológica Española de Sanidad Animal, quienes han aunado esfuerzos para ofrecer a los adheridos de Vet+i y a cualquier interesado en sanidad animal, una información puntual, esquemática y de rápida lectura sobre las últimas patentes publicadas en este campo.

Este boletín número treinta y siete recoge una selección de las solicitudes de patentes publicadas a nivel internacional durante el primer trimestre de 2020 en el ámbito de la sanidad animal, las cuales aparecen distribuidas según la especie animal de aplicación de las mismas.

Asimismo, se incorpora un capítulo que recoge solicitudes de patentes sobre tecnologías de aplicación general y contiene un apartado de enlaces a [noticias](#) de

interés en materia de propiedad industrial, así como sobre las actividades de la Plataforma.

El boletín, que tiene una periodicidad trimestral, se enmarca dentro del convenio de colaboración suscrito por ambas organizaciones para facilitar, impulsar y estimular el conocimiento y la utilización de los derechos de Propiedad Industrial por parte de las organizaciones y empresas adheridas a la Fundación Vet+i.

Se puede acceder al listado de solicitudes de patentes para cada grupo pulsando sobre las imágenes que aparecen a continuación.

## Contenido



**Bovino**



**Ovino y  
Caprino**



**Porcino**



**Avicultura**



**Acuicultura**



**Apicultura**



**Équidos**



**Mascotas**



**Varios**

# VT Bovino



Nº de Publicación	Solicitante	País de origen	Contenido técnico
NZ 740756 A 20191129	Empresa Brasileira De Pesquisa Agropecuaria Embrapa	New Zealand	Nanoparticulate composition containing antibiotics for intramammary administration in animals
	Fund Amparo Pesquisa Estado Minas Gerais Fapemig		
	Univ Federal De Ouro Preto		
WO 2020045941 A1 20200305	Dae Woong Pharma	South Korea	Novel heterocyclic amine derivative and pharmaceutical composition comprising same
RU 2708891 C1 20191212	Federalnoe Gosudarstvennoe Byudzhethnoe Nauchnoe Uchrezhdenie Federalnyj Nauchnyj Tsentr Vserossijski	Russian Federation	Vaccine for rota-, coronaviral infection and cattle colibacillosis
RU 2713927 C1 20200211	Federalnoe Gosudarstvennoe Byudzhethnoe Obrazovatelnoe Uchrezhdenie Vysshego Obrazovaniya Kubanskij G	Russian Federation	Method of treating subclinical mastitis in cows
US 2020079838 A1 20200312	Texas A & M Univ Sys	USA	Mosaic chimeric viral vaccine particle
RU 2707289 C1 20191126	Federalnoe Gosudarstvennoe Byudzhethnoe Obrazovatelnoe Uchrezhdenie Vysshego Obrazovaniya Kubanskij G	Russian Federation	Method for producing vaccine associated with colibacillosis, streptococcus and pseudomonosis of bovine animals
US 2020069749 A1 20200305	Microbios Inc	USA	Lactobacillus-based ecoli inhibition
WO 2020006216 A1 20200102	Evelo Biosciences Inc	USA	Compositions and methods of treating cancer using neisseria bacteria
JP 2020019754 A 20200206	Nat Agriculture & Food Res Org [JpUniv Kyoto]	Japan	Mucosal vaccine composition for bovine mastitis

Nº de Publicación	Solicitante	País de origen	Contenido técnico
US 2019380989 A1 20191219	Ecolab Usa Inc	USA	On site generated performic acid compositions for teat treatment
RU 2709821 C1 20191223	Federalnoe Gosudarstvennoe Byudzhethnoe Obrazovatelnoe Uchrezhdenie Vysshego Obrazovaniya Orlovskij G	Russian Federation	Method for prevention of subclinical and clinical mastitis in cows
RU 2018128022 A3 20200131	All Russian Sci Experimental Veterinary	Russian Federation	Controlling quality of disinfection in animal tuberculosis
CN 110804641 A 20200218	Lanzhou Veterinary Res Inst China Agric	China	Analyzing virulence of Mycoplasma bovis strains used e.g. For screening Mycoplasma bovis vaccine
CN 110812326 A 20200221	Animal Husbandry & Veterinary Inst Hubei	China	Suspension emulsion useful for treating bovine mastitis
WO 2020002238 A1 20200102	Intervet Int Bv	Netherlands	Compounds for the treatment of bovine or swine respiratory disease
	Intervet Inc	USA	
RU 2706689 C1 20191120	Fed Gosudarstvennoe Byudzhethnoe Nauchnoe Uchrezhdenie Fed Tsentr Toksikologicheskoy Radiatsionnoj I	Russian Federation	Method for treating mastitis in cows
CN 110638916 A 20200103	Jiangsu Longda Biotechnology Co Ltd	China	Biological preparation useful in all animal feeds for preventing and treating animal diarrhea
WO 2020002234 A1 20200102	Intervet Int Bv	Netherlands	New substituted amide derivatives used to treat bovine respiratory disease or swine respiratory disease and infection caused by bacteria
	Intervet Inc	USA	
CA 3013606 A1 20200208	Hospital For Sick Children	Canada	Compositions and methods for protecting a host from enteric toxigenic pathogens
WO 2020039443 A1 20200227	Kalmarna Ltd	USA	Compositions and methods for controlling mammalian pathogens
	Rosenberg Alon	Israel	
CN 110613842 A 20191227	Univ Heilongjiang Bayi Agricultural	China	Subunit vaccine for bovine fusobacterium necrophorum and preparation method of subunit vaccine
CN 110742858 A 20200204	Henan Puhua Gene Technology Co Ltd	China	Preparing medicament for treating bovine mastitis
KR 20200020539 A 20200226	Univ Nat Chonnam Ind Found	South Korea	Kwd20v-102 a live attenuated vaccine composition of kwd20v-102 strain for protecting bovine coronavirus infection
CN 110665002 A 20200110	Xinyang Animal Disease Prevention & Control Cent	China	Antibody preparation useful for preventing and treating bovine viral diarrhea

Nº de Publicación	Solicitante	País de origen	Contenido técnico
CN 110755368 A 20200207	Univ Beijing Agric	China	Composite hydrogel in preparing medicine for preventing or treating mastitis
US 2020038370 A1 20200206	Boehringer Ingelheim Animal Health Usa Inc	USA	Antiparasitic isoxazoline compounds, long-acting injectable formulations comprising them, methods and uses thereof
CN 110787135 A 20200214	Univ Guilin Technology	China	Antibacterial agent used for livestock
CN 110559313 A 20191213	Univ Tianjin Agricultural	China	Sodium alginate film-forming matrix dairy cow nipple medicated bath liquid and preparation method thereof
RU 2708069 C1 20191204	Obshchestvo S Ogranichennoj Otvetstvennostyu Zet Khels	Russian Federation	Agent for treating mastitis in cows
KR 20200000551 A 20200103	Nat Univ Gyeongsang Iacf	South Korea	Inpb Dps aspc Ndk Vaccine composition for prevention or treatment of brucellosis comprising inpb Dps aspc and Ndk protein derived from Brucella abortus as effective component
KR 20200008469 A 20200128	Han Dong Co Ltd	South Korea	Composition or agent useful for preventing or treating mastitis in animals, particularly cow
CN 110664907 A 20200110	Guangzhou Baiyunshan Baoshen Animal Heal	China	Composition used for preparing drug or feed additive for preventing cyst virus infection
CN 110787247 A 20200214	Dalian Sanyi Animal Medicine Co Ltd Jiangsu Sanyi Bioengineering Co Ltd	China	Preparation for preventing and treating diarrhea of livestock and poultry
CN 110590885 A 20191220	Univ Zhengzhou	China	20-substituted-5-O-mycaminose-tylosin lactone derivative
WO 2020018429 A1 20200123	Phibro Animal Health Corp	USA	Rotavirus vaccine compositions and combinations and methods for making and using
US 2020046681 A1 20200213	Nutramax Laboratories Inc	USA	Orally administrable compositions comprising avocado/soybean unsaponifiables and lipoic acid and methods of administration
CN 110607324 A 20191224	Univ Yangzhou	China	Cow lysozyme (Lyz) gene mammary gland specific expression recombinant plasmid as well as construction method and application thereof

Nº de Publicación	Solicitante	País de origen	Contenido técnico
CN 110684782 A 20200114	Xinjiang Acad Animal Sci Veterinary Res	China	Vaccine for preventing peste-des-petits ruminants
CN 110558324 A 20191213	Shandong Longchang Animal Health Product Co Ltd	China	Eucalyptus polybractea essential oil with anthelmintic effect, and composite microbial agent and application thereof
CN 110585304 A 20191220	Univ Yangzhou	China	Antibacterial medicament for dairy cow mastitis and preparation method thereof
CN 110607284 A 20191224	Univ Qingdao Agricultural	China	Escherichia coli bacteriophage vb_ecom_swi3 and application thereof
RU 2712237 C1 20200127	Federalnoe Gosudarstvennoe Byudzhethnoe Obrazovatelnoe Uchrezhdenie Vysshego Obrazovaniya Kubanskij G	Russian Federation	Method for improving the immunobiological reactivity of calves in specific prevention of viral respiratory diseases
WO 2019246119 A1 20191226	The George Washington Univ A Congressionally Chartered Not For Profit Corporation	USA	Antibiotics for veterinary staphylococcal infections
	Univ Washington		
RU 2711195 C1 20200115	Fed Gosudarstvennoe Byudzhethnoe Nauchnoe Uchrezhdenie Fed Rostovskij Agrarnyj Nauchnyj Tsentri Fgbnu	Russian Federation	Method of treating mastitis in animals
US 2020031921 A1 20200130	Wisconsin Alumni Res Found	USA	Compositions and methods of use of interleukin-10 peptides and anti-interleukin-10 antibodies
WO 2020013670 A1 20200116	Cj Cheiljedang Corp	South Korea	Composition comprising lactobacillus plantarum cjlp475 strain and lactobacillus plantarum cjlp17 strain and use thereof
WO 2020021437 A1 20200130	Engeneic Molecular Delivery Pty Ltd	Australia	Compositions comprising bacterially derived minicells and methods of using the same
WO 2019237212 A1 20191219	Univ Chile	Chile	Foetal mesenchymal stem cell composition of allogenic origin, treatment method and use thereof in mastitis in milk-producing animals, including cattle
WO 2019241496 A1 20191219	Dana Farber Cancer Inst Inc	USA	Peptidomimetic inhibitors of the peptidyl-prolyl cis/trans isomerase (pin1)
	Beth Israel Deaconess Medical Ct Inc		
KR 20200000551 U 20200311	Univ Gyeongsang Ind Acad Coop Found	South Korea	Vaccine composition for the prevention or treatment of Brucella infection

N° de Publicación	Solicitante	País de origen	Contenido técnico
JP 2020011914 A 20200123	Univ Shimane	Japan	New fused heterocyclic compound used as active ingredient in e.g. Anti-juvenile-hormone agent and pest control agent
WO 2019246056 A1 20191226	Univ Miami	USA	Recombinant herpesviral vector
AU 2020100181 A4 20200312	Hive & Wellness Australia Pty Ltd	Australia	Stable prebiotic compositions



# VT Ovino y Caprino



Nº de Publicación	Solicitante	País de origen	Contenido técnico
US 2020078416 A1 20200312	Alsoud Malek	USA	Natural product to improve immunity and combat viral diseases, bacterial diseases, fungal diseases, and cancer diseases
WO 2020045941 A1 20200305	Dae Woong Pharma	South Korea	Novel heterocyclic amine derivative and pharmaceutical composition comprising same
US 2020069749 A1 20200305	Microbios Inc	USA	Lactobacillus-based ecoli inhibition
WO 2020006216 A1 20200102	Evelo Biosciences Inc	USA	Compositions and methods of treating cancer using neisseria bacteria
CN 110810628 A 20200221	Sansui Agric Bureau	China	Feed useful for preventing and treating Pleuropneumonia infectiosa caprinum in goat
CA 3013606 A1 20200208	Hospital For Sick Children	Canada	Compositions and methods for protecting a host from enteric toxigenic pathogens
WO 2020039443 A1 20200227	Kalmarna Ltd	USA	Compositions and methods for controlling mammalian pathogens
	Rosenberg Alon	Israel	
CN 110787135 A 20200214	Univ Guilin Technology	China	Antibacterial agent used for livestock
KR 20200000551 A 20200103	Nat Univ Gyeongsang Iacf	South Korea	Inpb Dps aspc Ndk Vaccine composition for prevention or treatment of brucellosis comprising inpb Dps aspc and Ndk protein derived from Brucella abortus as effective component
WO 2020012177 A1 20200116	Hav Vaccines Ltd	United Kingdom	Immunogenic composition for paratuberculosis
JP 2020011914 A 20200123	Univ Shimane	Japan	New fused heterocyclic compound used as active ingredient in e.g. Anti-juvenile-hormone agent and pest control agent

Nº de Publicación	Solicitante	País de origen	Contenido técnico
CN 110664907 A 20200110	Guangzhou Baiyunshan Baoshen Animal Heal	China	Composition used for preparing drug or feed additive for preventing cyst virus infection
CN 110787247 A 20200214	Dalian Sanyi Animal Medicine Co Ltd	China	Preparation for preventing and treating diarrhea of livestock and poultry
	Jiangsu Sanyi Bioengineering Co Ltd		
CN 110684782 A 20200114	Xinjiang Acad Animal Sci Veterinary Res	China	Vaccine for preventing peste-des-petits ruminants
CN 110607284 A 20191224	Univ Qingdao Agricultural	China	Escherichia coli bacteriophage vb_ecom_swi3 and application thereof
WO 2019241496 A1 20191219	Dana Farber Cancer Inst Inc	USA	Peptidomimetic inhibitors of the peptidyl-prolyl cis/trans isomerase (pin1)
	Beth Israel Deaconess Medical Ct Inc		
KR 20200000551 U 20200311	Univ Gyeongsang Ind Acad Coop Found	South Korea	Vaccine composition for the prevention or treatment of Brucella infection
US 2020038370 A1 20200206	Boehringer Ingelheim Animal Health Usa Inc	USA	Antiparasitic isoxazoline compounds, long-acting injectable formulations comprising them, methods and uses thereof
WO 2020021437 A1 20200130	Engeneic Molecular Delivery Pty Ltd	Australia	Compositions comprising bacterially derived minicells and methods of using the same
AU 2020100181 A4 20200312	Hive & Wellness Australia Pty Ltd	Australia	Stable prebiotic compositions



# VT Porcino



Nº de Publicación	Solicitante	Pais de origen	Contenido técnico
CN 110694060 A 20200117	Chinese Acad Sci Wuhan Virology Instatic	China	Preparing cocktail immune enhancer useful for preventing and controlling African swine fever virus
	Wuhan Saisirui Microbial Technology Co		
WO 2020043637 A1 20200305	Intervet Int Bv	Netherlands	Vaccine useful for protecting animal, preferably pigs against Streptococcus suis, Escherichia coli and Clostridium infections
	Intervet Inc	USA	
CN 110628817 A 20191231	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	Construction method and application of recombinant porcine reproductive and respiratory syndrome virus expressing African swine fever virus p30 protein
WO 2020006216 A1 20200102	Evelo Biosciences Inc	USA	Compositions and methods of treating cancer using neisseria bacteria
CN 110642926 A 20200103	Beijing Nabai Biotechnology Co Ltd	China	New African swine fever virus p72 recombinant protein useful for detecting African swine fever virus
CN 110699312 A 20200117	Univ Northwest A & F	China	New Brucella suis BI-1 gene deletion strain useful in preparing live attenuated Brucella vaccine and preparing detection kit for detecting Brucella infected animals
RU 2018128022 A3 20200131	All Russian Sci Experimental Veterinary	Russian Federation	Controlling quality of disinfection in animal tuberculosis
CN 110496117 A 20191126	Inst Microbiology Cas	China	Novel application of small molecule compounds in resisting ASFV (African swine fever virus) infection
CN 110551695 A 20191210	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	Four-gene-deletion weak-toxin strain for African swine fever viruses and application of four-gene-deletion weak-toxin strain

Nº de Publicación	Solicitante	Pais de origen	Contenido técnico
CN 110845604 A 20200228	Suzhou Midi Biotechnology Co Ltd	China	New chimeric monoclonal antibody comprising heavy and light chains, useful in preparation of African swine fever virus detection reagents or agent for inducing immune response against African swine fever virus antigen
	Suzhou Shinuo Biotechnology Co Ltd		
CA 3013606 A1 20200208	Hospital For Sick Children	Canada	Compositions and methods for protecting a host from enteric toxigenic pathogens
WO 2020039443 A1 20200227	Kalmarna Ltd	USA	Compositions and methods for controlling mammalian pathogens
	Rosenberg Alon	Israel	
CN 110613706 A 20191227	Univ Nanjing Agricultural	China	Antagonistic drug against replication of porcine reproductive and respiratory syndrome virus (PRRSV) and application of antagonistic drug
CN 110628730 A 20191231	Wuhan Keqian Biological Co Ltd	China	Recombinant porcine pseudorabies virus for expressing GP protein of porcine reproductive and respiratory syndrome virus, and application
KR 20200009525 A 20200130	Jeonju Univ Office Of Industry Univ Cooperation	South Korea	Process for Compositions of Disinfectants for Viruses of Porcine Epidemic Diarrhea Porcine Reproductive and Respiratory Syndrome Including nano- and ionic-minerals
CN 110760006 A 20200207	Univ Hunan Agric	China	New porcine circovirus type 2 virus-type particle fused RGD useful in preparation of a composition or vaccine
CN 110575488 A 20191217	Luo Jianping	China	Smoke preparation for preventing African swine fever and use method thereof
CN 110652584 A 20200107	Univ Northwest Minzu	China	Swine fever attenuated virus and foot-and-mouth disease inactivated antigen combined vaccine used for preventing swine fever and foot-and-mouth disease
KR 20200009629 A 20200130	Nc Biotech Co Ltd	South Korea	Process for Compositions of Disinfectants for Viruses of Porcine Epidemic Diarrhea Porcine Reproductive and Respiratory Syndrome Including Extract of Pleurotus nebroidensis
	Jeonju Univ Office Of Industry Univ Cooperation		

Nº de Publicación	Solicitante	Pais de origen	Contenido técnico
CN 110755606 A 20200207	Tianjin Agric College	China	Porcine reproductive and respiratory syndrome virus
CN 110652535 A 20200107	Luoyang Huizhong Animal Medicine Co Ltd	China	Medicine composition in preparing medicine for preventing and/or treating porcine reproductive and respiratory syndrome
CN 110663836 A 20200110	Xu J	China	Composition useful e.g. Inhibiting growth of streptococcus suis for preventing streptococcus suis disease
CN 110787135 A 20200214	Univ Guilin Technology	China	Antibacterial agent used for livestock
KR 20200000551 A 20200103	Nat Univ Gyeongsang Iacf	South Korea	Inpb Dps aspc Ndk Vaccine composition for prevention or treatment of brucellosis comprising inpb Dps aspc and Ndk protein derived from Brucella abortus as effective component
CN 110759973 A 20200207	Guangzhou Bonizzi Biotechnology Co Ltd	China	New recombinant African swine fever virus CD2v protein comprising specific amino acid sequence, useful for diagnosing African swine fever immune serum, and in immune mucosal adjuvant
CN 110652583 A 20200107	Univ Northwest Minzu	China	Swine foot-and-mouth disease bivalent inactivated antigen with swine fever attenuated strain duplex vaccine comprises swine fever antigen solution
CN 110734879 A 20200131	Univ Northeast Agric	China	Veterinary medicine for improving the ability of piglets to resist infectious diseases including swine coli disease and swine infectious gastroenteritis
CN 110804662 A 20200218	Univ Sun Yat-Sen	China	Use of sirtuin 2 (SIRT2) gene or SIRT2 protein e.g. As marker for detecting porcine reproductive and respiratory syndrome (PRRS) or preparing reagent for detecting PRRS and preparing reagent for screening pig resistant to PRRS
CN 110577585 A 20191217	Inst Of Basic Medical Sciences Chinese Academy Of Medical Sciences	China	Vesicular stomatitis virus glycoprotein variant and construction method and application thereof

Nº de Publicación	Solicitante	Pais de origen	Contenido técnico
CN 110664907 A 20200110	Guangzhou Baiyunshan Baoshen Animal Heal	China	Composition used for preparing drug or feed additive for preventing cyst virus infection
CN 110747175 A 20200204	China Animal Husbandry Ind Co Ltd	China	New porcine deltacoronavirus strain used in preparation of biological product for preventing or treating porcine deltacoronavirus disease
CN 110590885 A 20191220	Univ Zhengzhou	China	20-substituted-5-O-myca- minose-tylosin lactone derivative
CN 110606873 A 20191224	Wuhan Keqian Biological Co Ltd	China	New isolated polypeptide useful in preparation of medicine for preventing and/or treating porcine circovirus infection
WO 2020018429 A1 20200123	Phibro Animal Health Corp	USA	Rotavirus vaccine compositions and combinations and methods for making and using
CN 110607284 A 20191224	Univ Qingdao Agricultural	China	Escherichia coli bacteriophage vb_ecom_swi3 and application thereof
CN 110592138 A 20191220	Lanzhou Veterinary Res Institute Chinese Academy Of Agriculture Sciences	China	Recombinant vector for expressing swine-derived sialoadhesin (Sn) receptor gene, recombinant cell as well as construction methods and application thereof
CN 110684084 A 20200114	Tianjin Ringpu Biotechnology Co Ltd	China	New synthetic Porcine circovirus type 3 Cap protein useful for preparing Porcine circovirus subunit vaccine
CN 110680770 A 20200114	Boen Biotechnology Co Ltd	China	Composition useful for piglets or sows for resisting African swine fever virus
KR 20200014489 A 20200211	Daesung Microbiological Labs Co Ltd	South Korea	Antibiotic composition useful for treating veterinary i.e. Pig of multiple respiratory diseases
KR 20200000551 U 20200311	Univ Gyeongsang Ind Acad Coop Found	South Korea	Vaccine composition for the prevention or treatment of Brucella infection
KR 102055909 B1 20191213	Fnc Bio Inc	South Korea	Composition for preventing or treating porcine salmonellosis comprising the same
KR 102055916 B1 20191213	Fnc Bio Inc	South Korea	Composition for preventing or treating porcine salmonellosis comprising the same

Nº de Publicación	Solicitante	Pais de origen	Contenido técnico
KR 102061422 B1 20191231	Jeonju Univ Office Of Industry Univ Cooperation	South Korea	Process for Compositions of Disinfectants for Viruses of Porcine Epidemic Diarrhea Porcine Reproductive and Respiratory Syndrome Including Extract of Perilla Leaf
KR 102056010 B1 20191230	CI Pharmtech Co Ltd	South Korea	Process for Compositions of Disinfectants for Viruses of Porcine Epidemic Diarrhea Porcine Reproductive and Respiratory Syndrome Including Extract of Smilax china L.
WO 2020002238 A1 20200102	Intervet Int Bv	Netherlands	Compounds for the treatment of bovine or swine respiratory disease
	Intervet Inc	USA	
AU 2020100181 A4 20200312	Hive & Wellness Australia Pty Ltd	Australia	Stable prebiotic compositions

# VT Avicultura



Nº de Publicación	Solicitante	País de origen	Contenido técnico
JP 2020019729 A 20200206	Denso Corp	Japan	Herpesvirus regression on-set inhibitor for composition used for foodstuff or feed, and pharmaceutical comprises alga body of micro algae which belongs to Coccomyxa, or its dried powder as active ingredient
	Univ Chubu		
AU 2020100181 A4 20200312	Hive & Wellness Australia Pty Ltd	Australia	Stable prebiotic compositions
US 2020002404 A1 20200102	Us Agriculture	USA	Hyperimmunized egg product for treatment of necrotic enteritis in poultry
	Arkion Life Sciences Llc		
TW 201945021 A 20191201	Agricultural Tech Research Institute	Taiwan	Composition for the prevention of mycoplasma synoviae infection
CN 110548048 A 20191210	Guangzhou Jidi Biotechnology Co Ltd	China	Application of hematopoietic stem cells for preparing preparations for treating viral diseases
JP 2019214555 A 20191219	Manahs Kk	Japan	Composition used for protecting virus infectious disease including influenza virus, measles virus and bird flu virus
CN 110721226 A 20200124	Haozhou Qianyuan Animal Pharm Co Ltd	China	Composition for treating chicken Escherichia coli disease
CN 110819599 A 20200221	Univ South China Agric	China	New vaccine strain useful for preventing Taiwan-type infectious bronchitis,
CN 110540579 A 20191206	Pulike Biological Eng Inc	China	Avibacterium paragallinarum antigen protein, vaccine composition containing Avibacterium paragallinarum antigen, and preparation method and application of composition

Nº de Publicación	Solicitante	País de origen	Contenido técnico
WO 2020002543 A1 20200102	Sutherland Duncan Bruce	Switzerland	Method for preparing a composition comprising killed or inactivated methanobrevibacter archaeobacteria cells and composition thereby obtained
CN 110713987 A 20200121	Luoyang Huizhong Biological Technology	China	Medicament for preventing and/or treating diseases caused by Newcastle disease virus
US 2020054688 A1 20200220	Postrel Richard	USA	Method for Precise Identification, Targeting and Delivery of Directed Therapies to Domesticated Animals Using Bacteria to Bind and Destroy Cancerous Cells
CN 110551696 A 20191210	Univ Yangzhou	China	Natural attenuated strain of avian infectious bronchitis virus and application of natural attenuated strain
CA 3013606 A1 20200208	Hospital For Sick Children	Canada	Compositions and methods for protecting a host from enteric toxigenic pathogens
WO 2020039443 A1 20200227	Kalmarna Ltd	USA	Compositions and methods for controlling mammalian pathogens
	Rosenberg Alon	Israel	
CN 110575539 A 20191217	LUOYANG HUIZHONG BIOTECH CO LTD	China	Avian influenza virus-like particle vaccine and preparation method and application thereof
CN 110559434 A 20191213	Pulike Biological Eng Inc	China	Avian influenza virus-like particle vaccine as well as preparation method and application thereof
CN 110615839 A 20191227	Univ Yangzhou	China	Avian-derived anti-avian-flu neuraminidase monoclonal antibody, preparation method therefor and application of avian-derived anti-avian-flu neuraminidase monoclonal antibody
CN 110663642 A 20200110	Univ Foshan	China	Changing intestinal colonies of sick chickens using fecal transplantation
CN 110743010 A 20200204	Ruikemeng Qingdao Biological Eng Co Ltd	China	Composite powder by taking adenovirus, newcastle disease and avian influenza
WO 2020035741 A2 20200220	Novobind Livestock Therapeutics Inc	Canada	Antibodies against disease causing agents of poultry and uses thereof
CN 110669714 A 20200110	Univ Yangzhou	China	New Salmonella enteritidis attenuated vaccine candidate strain obtained by knocking out the spic gene and the nmpc gene of Salmonella enteritidis CZ14-1

Nº de Publicación	Solicitante	País de origen	Contenido técnico
CN 110777122 A 20200211	Qingdao Yebio Bioengineering Co Ltd	China	Vaccine for preventing Marek's disease virus and infectious bursal disease virus
CN 110559431 A 20191213	Univ Nanjing Agricultural	China	New giant Eimeria maxima nano-subunit vaccine useful in preparing a medicine for preventing the infection of Eimeria maxima chicken
CN 110575538 A 20191217	Pulike Biological Eng Inc	China	Avian influenza virus-like particle vaccine and preparation method and application thereof
CN 110511270 A 20191129	Harbin Veterinary Res Institute Caas China Animal Health And Epidemiology Center Harbin Branch	China	Polypeptide for forming before-fusion conformation of newcastle disease virus F protein, nucleotide, construction method and application
CN 110616149 A 20191227	Univ Yangzhou	China	Chicken-sourced turkey histomonas passage attenuated strain, preparation method and application thereof
KR 20200009515 A 20200130	Jeonju Univ Office Of Industry Univ Cooperation	South Korea	Process for Compositions of Disinfectants for Low Pathogenic Avian Influenza Virus Including nano- and ionic-Minerals
CN 110664997 A 20200110	Tianjin Hlinte Biotechnology Co Ltd	China	Trivalent vaccine for chicken coccidiosis
CN 110559432 A 20191213	Univ Nanjing Agricultural	China	Eimeria acervulina nano-subunit vaccine, preparation method and application thereof
CN 110577596 A 20191217	Xu Qianming	China	Antibody for anti-chicken-coccidiosis and preparation method and device thereof
CN 110664907 A 20200110	Guangzhou Baiyunshan Baoshen Animal Heal	China	Composition used for preparing drug or feed additive for preventing cyst virus infection
CN 110787247 A 20200214	Dalian Sanyi Animal Medicine Co Ltd Jiangsu Sanyi Bioengineering Co Ltd	China	Preparation for preventing and treating diarrhea of livestock and poultry
CN 110590885 A 20191220	Univ Zhengzhou	China	20-substituted-5-O-mycaminose-tylosin lactone derivative
CN 110604762 A 20191224	Linyi Jincui Veterinary Medicine Co Ltd	China	Composition for treating poultry nephropathogenic infectious bronchitis and preparation method thereof
CN 110684681 A 20200114	Shandong Xianpu Airui Technology Co Ltd	China	Product for treating chicken viral diseases



Nº de Publicación	Solicitante	País de origen	Contenido técnico
WO 2020018325 A1 20200123	Applied Lifesciences And Systems Poultry Inc	USA	Method of preparing and delivering oocyst solutions
WO 2020014709 A1 20200116	Ohio State Innovation Foundation	USA	Compounds, compositions, and methods for the treatment and prevention of avian pathogenic e. Coli (apec)
CN 110607284 A 20191224	Univ Qingdao Agricultural	China	Escherichia coli bacteriophage vb_ecom_swi3 and application thereof
CN 110606870 A 20191224	Inst Animal Health Guangdong Academy Agricultural Sciences	China	Polypeptide for preventing and treating eimeria tenella and pharmaceutical composition containing polypeptide
CN 110680914 A 20200114	Luoyang Vocational & Tech College	China	New triple inactivated vaccine useful for resisting infection of Newcastle disease virus, avian influenza virus and Group I 8b avian adenovirus
	Yangzhou Uni-Bio Pharm Co Ltd		
	Zhang H		
CN 110684744 A 20200114	Qingdao Yebio Bioengineering Co Ltd	China	Inserting foreign gene into turkey herpes virus genome useful for preparing recombinant turkey herpes virus, involves inserting exogenous gene into spacer region of long unique region (UL)-45 and UL46 regions of turkey herpes virus genome
CN 110592085 A 20191220	Poultry Inst Shandong Academy Agricultural Science	China	H9N2 subtype AIV (H9N2 Subtype Avian Influenza Viruses) inhibitor and application thereof
KR 102049673 B1 20200211	CI Pharmtech Co Ltd	South Korea	Process for Compositions of Disinfectants for Low Pathogenic Avian Influenza Virus Including Extract of Smilax china L.
KR 102077701 B1 20200214	Nat Univ Chonbuk Ind Coop Found	South Korea	Vaccin composition containing novel inactivated Salmonella Gallinarum whole cells for preventing or treating Fowl Typhoid
	Komipharm Int Co Ltd		
KR 102062624 B1 20200106	Nat Univ Chonbuk Ind Coop Found	South Korea	Vaccine composition for preventing or treating avian influenza and fowl typhoid simultaneously comprising attenuated Salmonella gallinarum mutant as effective component
CN 110558324 A 20191213	Shandong Longchang Animal Health Product Co Ltd	China	Composition with anthelmintic effect, and composite microbial agent and application thereof

# VT Acuicultura



Nº de Publicación	Solicitante	País de origen	Contenido técnico
CN 110551738 A 20191210	Univ Zhejiang Ocean	China	IRAK-b gene of mytilus crassitesta and use of gene
CN 110819550 A 20200221	Mnr Oceanography First Inst	China	Marine bacterium is Pseudoalteromonas agarivorans used in pseudoalternative unit cells extracellular product for preventing diseases of pathogenic Vibrio aquaculture
CN 110755605 A 20200207	Tianjin Aquatic Prod Res Inst	China	Transgenic engineered oral vaccine of Flavobacterium columnare prepared by analyzing mature peptide sequence of protective antigen gene lip, adding psti and sphi, double-digesting, inoculating into medium, and spraying collected bacteria
CN 110747136 A 20200204	Univ Tianjin Normal	China	New Pichia pastoris KM71 strain used e.g. For feed additive, feed composition and bacteriostat for inhibiting Staphylococcus aureus, Escherichia coli, Vibrio anguillarum or Edwardsiella tarda bacteria, and improving shrimp immunity
CN 110684741 A 20200114	Guangdong Haida Animal Husbandry & Veter	China	New bacteriophage and composition useful for treating and preventing Vibrio bacterial infection, preferably Vibrio alginolyticus and Vibrio parahaemolyticus
WO 2020008254 A1 20200109	Novobind Livestock Therapeutics Inc	Canada	Antibodies against aquaculture disease-causing agents and uses thereof
WO 2020002543 A1 20200102	Sutherland Duncan Bruce	Switzerland	Method for preparing a composition comprising killed or inactivated methanobrevibacter archaeobacteria cells and composition thereby obtained

# VT Apicultura



Nº de Publicación	Solicitante	País de origen	Contenido técnico
WO 2019226469 A1 20191128	Fort Lewis College	USA	Chemical compositions for combating honey bee pests and pathogens
CN 110638871 A 20200103	Caas Apicultural Res Inst	China	Extract used for, e.g. Preventing and treating bee paralysis disease
CN 110613752 A 20191227	Univ Jiangxi Agricultural	China	Composition for preventing and treating microsporidiosis of oriental bees, application and bee breeding method,
CN 110777156 A 20200211	Caas Apicultural Res Inst	China	New Israeli acute paralysis virus (IAPV) infectious clone useful in preparation of composition for obtaining living bee infection model, and screening anti-bee IAPV, comprises specific base pair sequence
WO 2020014745 A1 20200123	Mycelium Biotech Assets Pty Ltd	Australia	Bioactive extract
WO 2020000111 A1 20200102	Univ Fraser Simon	Canada	Use of dialkoxybenzenes for control of honey bee mite varroa destructor
	The State Of Israel Ministry Of Agriculture & Rural Development Agricultural Res Organization Aro	Israel	
AU 2020100181 A4 20200312	Hive & Wellness Australia Pty Ltd	Australia	Stable prebiotic compositions



# VTÉquidos

Nº de Publicación	Solicitante	País de origen	Contenido técnico
WO 2020002593 A1 20200102	Intervet Int Bv	Netherlands	Compound for use against helminthic infection
	Intervet Inc	USA	
CN 110540579 A 20191206	Pulike Biological Eng Inc	China	Avibacterium paragallinarum antigen protein, vaccine composition containing Avibacterium paragallinarum antigen, and preparation method and application of composition
CN 110713987 A 20200121	Luoyang Huizhong Biological Technology	China	New recombinant gene type VII Newcastle disease virus attenuated strain rn7a useful in the preparation of a medicament for preventing and/or treating diseases caused by Newcastle disease virus
WO 2020039443 A1 20200227	Kalmarna Ltd	USA	Compositions and methods for controlling mammalian pathogens
	Rosenberg Alon	Israel	
CN 110575538 A 20191217	Pulike Biological Eng Inc	China	Avian influenza virus-like particle vaccine and preparation method and application thereof
WO 2020010244 A1 20200109	Eicosis Llc	USA	Co-crystal of sorafenib derivatives and process for preparation thereof
WO 2019246056 A1 20191226	Univ Miami	USA	Recombinant herpesviral vector
WO 2020006216 A1 20200102	Evelo Biosciences Inc	USA	Compositions and methods of treating cancer using neisseria bacteria
US 2020046681 A1 20200213	Nutramax Laboratories Inc	USA	Orally administrable compositions comprising avocado/soybean unsaponifiables and lipoic acid and methods of administration

N° de Publicación	Solicitante	País de origen	Contenido técnico
WO 2020021437 A1 20200130	Engeneic Molecular Delivery Pty Ltd	Australia	Compositions comprising bacterially derived minicells and methods of using the same
WO 2019241496 A1 20191219	Dana Farber Cancer Inst Inc Beth Israel Deaconess Medical Ct Inc	USA	Peptidomimetic inhibitors of the peptidyl-prolyl cis/trans isomerase (pin1)

# VT Mascotas



Nº de Publicación	Solicitante	País de origen	Contenido técnico
WO 2020051106 A1 20200312	Zoetis Services Llc	USA	Palatable antiparasitic formulations
BR 102018009796 A2 20200107	Fundacao Univ Estadual Do Ceara Funece	Brazil	Treatment canine leishmaniasis
WO 2020041849 A1 20200305	Fund Oswaldo Cruz	Brazil	Method for detecting antibodies against leishmania in a canine biological sample, kit for detecting infection with leishmania in a biological sample, and use of lipophosphoglycan of leishmania
US 2020002707 A1 20200102	The Government Of The Us Secretary Of Homeland Security	USA	Fusion proteins containing luciferase and a polypeptide of interest
WO 2020007704 A1 20200109	Bayer Animal Health GmbH	Germany	Novel compounds for controlling arthropods
CN 110699329 A 20200117	Harbin Veterinary Res Inst Caas	China	New gene deleted attenuated pseudorabies virus useful for preparing vaccine for preventing and/or treating fur bearing animal pseudorabies, preferably canine, mink, fox and racoon
US 2020054688 A1 20200220	Postrel Richard	USA	Method for Precise Identification, Targeting and Delivery of Directed Therapies to Domesticated Animals Using Bacteria to Bind and Destroy Cancerous Cells
WO 2020039443 A1 20200227	Kalmarna Ltd	USA	Compositions and methods for controlling mammalian pathogens
	Rosenberg Alon	Israel	
CN 110772509 A 20200211	Guangdong Acad Agric Sci Animal Health	China	Agent for controlling animal parasites

Nº de Publicación	Solicitante	País de origen	Contenido técnico
US 2019389944 A1 20191226	Zoetis Services Llc	USA	Methods for treating il-31-mediated conditions in companion animals
CN 110664806 A 20200110	Guangdong Acad Agric Sci Animal Health	China	Agent for controlling animal parasites
US 2020057081 A1 20200220	Postrel Richard	USA	System and Method for Managing Animal Cancers by Disabling the Cancer Cells Ability to Reproduce
US 2020038370 A1 20200206	Boehringer Ingelheim Animal Health Usa Inc	USA	Antiparasitic isoxazoline compounds, long-acting injectable formulations comprising them, methods and uses thereof
CN 110655564 A 20200107	Univ Sichuan Agric	China	New combined protein useful for preparing a vaccine for preventing Echinococcus granulosus
US 2020056203 A1 20200220	Postrel Richard	USA	Treating animal cancers through programmed cancer cell death
CN 110563844 A 20191213	Univ Huazhong Agricultural	China	Anti-canine interleukin 31 receptor polyclonal antibody and application thereof
CN 110680803 A 20200114	Guangdong Acad Agric Sci Animal Health	China	Ethosomal formulation used for reducing, preventing and treating animal parasites
WO 2020030464 A1 20200213	Stehr Isabell Kerstin	Germany	Rotating tick remover
CN 110684096 A 20200114	Univ Sichuan Agric	China	New combination protein comprising Echinococcus granulosus fatty acid binding protein and A31 protein or fusion protein of egfabp and A31 protein, used in vaccine for preventing Echinococcus granulosus and Taenia pisiformis
WO 2020006216 A1 20200102	Evelo Biosciences Inc	USA	Compositions and methods of treating cancer using neisseria bacteria
US 2020046681 A1 20200213	Nutramax Laboratories Inc	USA	Orally administrable compositions comprising avocado/soybean unsaponifiables and lipoic acid and methods of administration
WO 2020021437 A1 20200130	Engeneic Molecular Delivery Pty Ltd	Australia	Compositions comprising bacterially derived minicells and methods of using the same

Nº de Publicación	Solicitante	País de origen	Contenido técnico
WO 2019241496 A1 20191219	Dana Farber Cancer Inst Inc	USA	Peptidomimetic inhibitors of the peptidyl-prolyl cis/trans isomerase (pin1)
	Beth Israel Deaconess Medical Ct Inc		
JP 2020011914 A 20200123	Univ Shimane	Japan	New fused heterocyclic compound used as active ingredient in e.g. Anti-juvenile-hormone agent and pest control agent
WO 2019246056 A1 20191226	Univ Miami	USA	Recombinant herpesviral vector



# VTVarios



Nº de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">WO 2020014670 A1</a> <a href="#">20200116</a>	Univ Arizona State	USA	Methods of treating cancer with tnf expressing myxoma virus
<a href="#">WO 2020045941 A1</a> <a href="#">20200305</a>	Dae Woong Pharma	South Korea	Novel heterocyclic amine derivative and pharmaceutical composition comprising same
<a href="#">WO 2020006216 A1</a> <a href="#">20200102</a>	Evelo Biosciences Inc	USA	Compositions and methods of treating cancer using neisseria bacteria
<a href="#">WO 2020021437 A1</a> <a href="#">20200130</a>	Engeneic Molecular Delivery Pty Ltd	Australia	Compositions comprising bacterially derived minicells and methods of using the same
<a href="#">CN 110699329 A</a> <a href="#">20200117</a>	Harbin Veterinary Res Inst Caas	China	New gene deleted attenuated pseudorabies virus useful for preparing vaccine for preventing and/or treating fur bearing animal pseudorabies, preferably canine, mink, fox and racoon
<a href="#">AU 2020100181 A4</a> <a href="#">20200312</a>	Hive & Wellness Australia Pty Ltd	Australia	Stable prebiotic compositions

# Noticias



## La OEPM lanza un nuevo Boletín de Vigilancia Tecnológica y nueva Alerta Tecnológica sobre "Coronavirus: diagnóstico y terapia en humanos"

Es conocido por todos el importante reto al que se está enfrentando toda la humanidad desde que el pasado mes de diciembre de 2019, en China, se detectara el primer caso de COVID-19, que ha provocado la mayor pandemia conocida

+ MÁS



## Se cumple un año de la reforma de la Ley de Marcas

Hace poco más de un año, (el 14 de enero de 2019) entró en vigor la reforma de la Ley 17/2001, de Marcas. Los cambios han venido motivados por la necesidad de transponer la última Directiva comunitaria de marcas que pretende reforzar el mercado interior creando un sistema de registro de marcas más uniforme en toda la UE.

+ MÁS



## Renovación de los certificados del Sistema integrado de Gestión de Calidad y Vigilancia de la OEPM

Ya sabemos que no está bien caer en la autocomplacencia, pero, una vez más, la calidad del trabajo que realizamos en la OEPM ha sido reconocida.

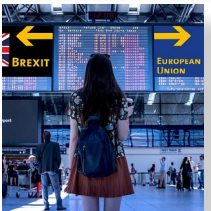
+ MÁS



## Modificaciones del Tratado de Cooperación en materia de Patentes (PCT)

El próximo 1 de julio de 2020, entrarán en vigor las modificaciones de varias Reglas del Reglamento del Tratado de Cooperación en materia de Patentes (PCT). Con el fin de conocer con suficiente antelación estas modificaciones, vamos a hacer un breve resumen.

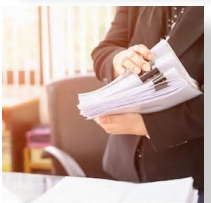
+ MÁS



## El impacto del Brexit en el ámbito de la Propiedad Industrial

Es de sobra conocido por todos que después de un largo proceso, finalmente el 31 de enero de 2020 el Reino Unido abandonó la Unión Europea (UE). Desde esa fecha, y hasta el 31 de diciembre se inicia un periodo transitorio durante el cual el Reino Unido seguirá aplicando la legislación de la UE, pero dejará de estar representado en las instituciones de la UE.

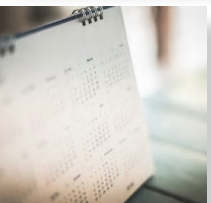
+ MÁS



## Continuidad de los procedimientos administrativos

El 14 de marzo de 2020 se publicó el Real Decreto 463/2020 por el que se declaraba el estado de alarma por la crisis sanitaria ocasionada con motivo de la epidemia del COVID -19, una medida gubernamental tomada ante la situación provocada por la pandemia y en ejecución del artículo 116 de la Constitución y de la Ley Orgánica 4/1981.

+ MÁS



## Interrupción de plazos

El 14 de marzo de 2020 se publicó el Real Decreto 463/2020 por el que se declaraba el estado de alarma por la crisis sanitaria ocasionada con motivo de la epidemia del COVID -19, una medida gubernamental tomada ante la situación provocada por la pandemia y en ejecución del artículo 116 de la Constitución y de la Ley Orgánica 4/1981.

+ MÁS



## Arriesgar salud y seguridad, el efecto más dañino de comprar falsificaciones

En plena epidemia del coronavirus chino Covid-19 no faltan quienes intentan hacer su particular agosto; es el caso de numerosos fabricantes y vendedores de mascarillas faciales y respiratorias y otros productos sanitarios que la demanda —y escasez— han convertido en bienes codiciados y cotizados.

+ MÁS

# Noticias



Publicado el último Boletín de Vigilancia Tecnológica de Vet+i sobre Sanidad Animal de 2019. Este Boletín, correspondiente al cuarto trimestre de 2019, cuenta con más de 330 solicitudes de patentes de sanidad animal procedentes de 23 países.

+ MÁS



La Fundación Vet+i y la Oficina Española de Patentes y Marcas (OEPM) reafirman su colaboración renovando su Convenio de Colaboración

La firma de este Convenio supone la continuación de las acciones y esfuerzos realizados en materia de Propiedad industrial en beneficio de la Sanidad Animal en España.

+ MÁS



Celebrada con éxito la primera reunión de los miembros de la Red de Investigación de Sanidad Animal (RISA)

Los integrantes de la Red RISA, provenientes de universidades, centros de investigación y Vet+i, consensuaron puntos de colaboración y actividades a seguir en el marco de la Red.

+ MÁS



Vet+i convoca la séptima edición del 'Premio Isabel Mínguez Tudela a la Innovación en Sanidad Animal'

El galardón se entregará en el marco de la XII Conferencia Anual de Vet+i que tendrá lugar en Madrid.

+ MÁS



La II edición de la formación en Dirección y Gestión de Empresas en Sanidad Animal comienza con gran éxito

Se inaugura la II Edición del Máster, formación única en España, tras el gran éxito de primera edición de este Máster.

+ MÁS



Celebrado con éxito el seminario sobre Uso Responsable de Medicamentos Veterinarios organizado por Vet+i y la Agencia Española de Medicamentos Veterinarios en la Facultad de Veterinaria de la UAB

En el seminario, que reunió a más de 20 alumnos se presentó la iniciativa Vetresponsable y se expuso la importancia de la Farmacovigilancia Veterinaria en la práctica profesional veterinaria.

+ MÁS



Nace Vetdivulga: nueva plataforma de referencia en Divulgación Científica en Sanidad Animal de Vet+i

La divulgación es un criterio de selección de proyectos en convocatorias de I+D+i con gran impacto en la evaluación final del proyecto, y es justo en este punto en el que entra Vetdivulga.

+ MÁS



La Fundación Vet+i publica su Informe de Actividades de 2019

Este documento compila las distintas iniciativas y acciones realizadas por la Fundación durante la anualidad de 2019 y está disponible para su consulta online.

+ MÁS



Fundación  
**Vet+i**

**C/ San Agustín 15, 1º Dcha  
28014 Madrid**

**Tlfno: (+34) 91 088 31 22**

**[secretaria@vetmasi.es](mailto:secretaria@vetmasi.es)**

**[www.vetmasi.es](http://www.vetmasi.es)**

