

Title (en)

METHOD AND APPLICATION TECHNOLOGY FOR THE RESIDUE-FREE DISINFECTION OF PETS, POULTRY BARNs AND LIVESTOCK SHEDS AND OTHER INSTALLATIONS USING OZONE, ELECTROLYTICALLY OXIDATIVE RADICALS, UV-C RADIATION, ELECTROSTATIC SPRAY TECHNOLOGY, EXCESS PRESSURE VENTILATION AND AIR-HUMIDIFICATION TECHNOLOGY

Title (de)

VERFAHREN ZUR DESINFEKTION VON GEFLÜGEL- UND VIEHSTÄLLEN MIT OZON, ELEKTROLYTISCH OXIDATIVEN RADIKALEN, UV-C BESTRAHLUNG, ELEKTROSTATISCHER SPRAYTECHNOLOGIE, ÜBERDRUCK-VENTILATION UND LUFT-BEFEUCHTUNGS-TECHNIK

Title (fr)

PROCÉDÉ ET TECHNIQUE DE MISE EN OEUVRE PERMETTANT LA DÉSINFECTION SANS RÉSIDUS D'ANIMAUX DOMESTIQUES, DE POULAILLERS, D'ÉTABLES ET D'AUTRES DISPOSITIFS À L'OZONE, AU MOYEN DE RADICAUX OXYDANTS OBTENUS PAR VOIE ÉLECTROLYTIQUE, PAR RAYONNEMENT UV-C, PAR LA TECHNOLOGIE DE PULVÉRISATION ÉLECTROSTATIQUE, PAR VENTILATION PAR SUPPRESSION ET PAR LA TECHNIQUE D'HUMIDIFICATION DE L'AIR

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Abstract (en)

[origin: WO2009046561A2] The invention relates to a method and application technology for the residue-free disinfection of persons, pets, poultry barns and livestock sheds and other installations using ozone, electrolytically oxidative radicals, UV-C radiation, electrostatic spray technology, excess pressure ventilation and air-humidification technology. Preferably, the method contains the following steps: 1. Disinfection of humans, animals and objects by showering with electrolytically produced oxidative radicals in electrolytically produced oxidative water before entering the shed and in the sterile zones. (Fig. 2) 2. Disinfection of humans, animals and objects using ozone, electrolytically oxidative radicals, UV-C radiation, electrostatic spray technology, excess pressure ventilation and air-humidification technology in the sheds for the electrostatic spray disinfection of animals by means of a spray bar (fig. 1), for the disinfection of drinking water, for hoof and talon disinfection, for feed disinfection in silos and at feeding sites, for controlling flies and vermin, for regulating humidity and for air circulation, air purification and air sterilisation (fig. 3) and for preventing the entry of bacteria and pathogens through doors and windows during the transfer of the animals to the barn or shed. 3. Disinfection of humans, animals and objects using ozone, electrolytically oxidative radicals, UV-C radiation and electrostatic spray technology for disinfection before and after the transfer of the animals to the barn or shed, in order to prevent the transmission of infection and diseases as a quarantine measure.

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