

Title (en)

A METHOD FOR PREDICTING AND DETECTING PARTICULAR CONDITIONS OF A HORSE, IN PARTICULAR FOR PREDICTING THE DATE OF FOALING, AND A SYSTEM FOR CARRYING OUT THE METHOD

Title (de)

VERFAHREN ZUR VORHERSAGE UND ERKENNUNG BESTIMMTER ZUSTÄNDE EINES PFERDES, INSBESONDERE ZUR VORHERSAGE DES REITDATUMS UND SYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE PRÉDICTION ET DE DÉTECTION D'ÉTATS PARTICULIERS D'UN CHEVAL, EN PARTICULIER POUR LA PRÉDICTION DE LA DATE DE POULINAGE, ET SYSTÈME POUR LA MISE EN OEUVRE DU PROCÉDÉ

Publication

EP 4366518 A1 20240515 (EN)

Application

EP 22757642 A 20220608

Priority

- EP 21461550 A 20210609
- IB 2022055347 W 20220608

Abstract (en)

[origin: WO2022259183A1] The invention relates to a method for predicting and detecting particular conditions of a horse, in particular for predicting the date of foaling, in which, by means of a processing device, by means of image analysis, the following is determined: the number of breaths of the horse per minute, whether the horse is standing or lying down, a change in the level of activity of the horse. Then the obtained parameter values are analysed using an artificial intelligence model, such as a neural network, and it is determined whether the detected condition of the horse is a particular condition, wherein in case the particular condition is detected, at least one change of the output state of the processing device is made. The invention also relates to a system for predicting and detecting particular conditions of a horse, in particular for predicting the date of foaling, comprising at least one visual camera and a processing device, and wherein the system is configured and programmed to determine the following by means of image analysis: number of breaths of the horse per minute, whether the horse is standing or lying down, a change in the level of activity of the horse. Then the obtained parameter values are analysed using an artificial intelligence model, such as a neural network, and it is determined whether the detected condition of the horse is a particular condition, wherein in case the particular condition is detected, at least one change of the output state of the processing device is made. The invention also relates to a system configured and programmed to carry out the above method.

IPC 8 full level

A01K 29/00 (2006.01)

CPC (source: EP)

A01K 29/005 (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022259183 A1 20221215; EP 4366518 A1 20240515

DOCDB simple family (application)

IB 2022055347 W 20220608; EP 22757642 A 20220608