

Title (en)

DEVICE, METHOD AND SYSTEM FOR MONITORING OF ANIMAL BODY TEMPERATURE

Title (de)

VORRICHTUNG, VERFAHREN UND SYSTEM ZUR ÜBERWACHUNG DER TIERKÖRPERTEMPERATUR

Title (fr)

DISPOSITIF, PROCÉDÉ ET SYSTÈME DE SURVEILLANCE DE LA TEMPÉRATURE CORPORELLE D'UN ANIMAL

Publication

EP 3758473 A1 20210106 (EN)

Application

EP 19718851 A 20190228

Priority

- PL 42470618 A 20180228
- IB 2019051622 W 20190228

Abstract (en)

[origin: WO2019166986A1] A device for monitoring animal body temperature (1a, 1b, 1c) provided with a thermal module (21) including a central unit (10) with a communication module (11) and a contactless temperature sensor matrix (13) connected thereto according to the invention, characterised in that it is provided with a selecting device (15) connected to the central unit (10) and with a device (20, 30, 40) positioning the head (S) of the animal below the contactless temperature sensor matrix (133) placed above the lower part of the positioning device (20, 30, 40), wherein the contactless temperature sensor matrix (13) includes at least two rows and offers a resolution of at least 10 pixels in each of the rows. The method of animal monitoring using the device according to the invention is characterised in that it is performed using the device according to the invention, wherein temperature is read from the matrix of contactless temperature sensors within a period of time shorter than 3.5 s, and a pre-defined pattern is detected in a summary of temperature values read from the matrix of contactless temperature sensors (12), followed by verification of a pre-defined criterion, meeting of which is subsequently used to send a control signal to the selecting device (15). The herd animal condition monitoring system including a server and monitoring units communicating with the server according to the invention is characterised in that the monitoring units are provided as monitoring devices according to the invention.

IPC 8 full level

A01K 5/01 (2006.01); **A01K 1/00** (2006.01); **A01K 11/00** (2006.01); **A01K 29/00** (2006.01)

CPC (source: EP)

A01K 1/0023 (2013.01); **A01K 5/01** (2013.01); **A01K 11/00** (2013.01); **A01K 29/005** (2013.01)

Citation (search report)

See references of WO 2019166986A1

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

DOCDB simple family (publication)

WO 2019166986 A1 20190906; EP 3758473 A1 20210106; PL 234432 B1 20200228; PL 424706 A1 20190909

DOCDB simple family (application)

IB 2019051622 W 20190228; EP 19718851 A 20190228; PL 42470618 A 20180228