

Title (en)

ESTRUS NOTIFICATION METHOD, ESTRUS NOTIFICATION DEVICE, AND ESTRUS NOTIFICATION PROGRAM

Title (de)

ÖSTRUS-BENACHRICHTIGUNGSVERFAHREN, ÖSTRUS-BENACHRICHTIGUNGSVORRICHTUNG UND ÖSTRUS-BENACHRICHTIGUNGSPROGRAMM

Title (fr)

PROCÉDÉ DE NOTIFICATION DE CHALEURS, DISPOSITIF DE NOTIFICATION DE CHALEURS ET PROGRAMME DE NOTIFICATION DE CHALEURS

Publication

**EP 2832217 A4 20150422 (EN)**

Application

**EP 12872722 A 20120330**

Priority

JP 2012058720 W 20120330

Abstract (en)

[origin: EP2832217A1] It is assumed that the step count (N13) of a livestock animal (A1) in a time slot (t2 to t3) is greater than or equal to a threshold value. An estrus notifying apparatus (102) calculates a degree of reduction of the step count of other livestock animals (A2 to An) in the same herd for a previous time slot. The degree of reduction is a value indicative of a level of reduction of a measurement value (N) of the livestock animals (A2 to An) for the previous time slot (t1 to t2) from a measurement value (N) for a time slot (t0 to t1) before the previous time slot and is a reduction rate, for example. It is assumed that, for example, the step counts of the livestock animals (A2 to An) are half or less for the time slot (t1 to t2) relative to the time slot (t0 to t1). The estrus notifying apparatus (102) considers that the measurement value becomes less than the threshold value due to eating even though the livestock animal (A1) is in estrus in the time slot (t1 to t2), and determines that the livestock animal (A1) is in estrus during the time slot (t1 to t2). The estrus notifying apparatus (102) outputs information indicating that the estrus of the livestock animal (A1) started in the time slot (t1 to t2).

IPC 8 full level

**A01K 29/00** (2006.01); **A01K 67/00** (2006.01); **A61C 17/00** (2006.01); **A61D 1/08** (2006.01)

CPC (source: EP)

**A01K 29/005** (2013.01); **A61D 17/002** (2013.01)

Citation (search report)

- [X] US 2008147458 A1 20080619 - YAMAZAKI AKIHIRO [JP], et al
- [X] US 2011125065 A1 20110526 - VORONIN VLADIMIR [IL], et al
- [X] CN 102100185 A 20110622 - YINCHUAN AUTE SOFTWARE CO LTD
- See references of WO 2013145304A1

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NL2027332B1; US10765091B2; WO2022154661A1; TWI578969B

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)

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DOCDB simple family (application)

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