

Title (en)

METHOD AND APPARATUS FOR POSITIONING A MILKING CUP ON A TEAT OF AN ANIMAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ANSETZEN EINES MELKBECHERS AN EINE ZITZE EINES TIERES

Title (fr)

PROCÉDÉ ET DISPOSITIF DE POSE D'UN POT DE TRAITE AU TRAYON D'UN ANIMAL

Publication

EP 2341767 A2 20110713 (DE)

Application

EP 09780839 A 20090720

Priority

- EP 2009059311 W 20090720
- DE 102008035384 A 20080729

Abstract (en)

[origin: WO2010012625A2] A method for positioning one or more milking cups on a teat (11) or on a plurality of teats (11) of a milk-yielding animal has the following steps: a) a perspective 3D direct recording is made of the at least one or more milking cups (5) and the one or more teats (11) of the milk-yielding animal; b) the relative distance between the milking cup(s) (5) and the teat(s) (11) is then determined from the 3D direct recording using an image processing device, c) a control device (10) uses the distance determination from step b) to calculate a drive movement for one or more actuators (6, 8) for moving the milking cup(s) (5), which movement must be respectively carried out by the milking cup(s) (5) and is used to reduce the relative distance determined between the milking cup(s) (5) and the teats (11), d) the drive movement is carried out and completed provided that an error does not occur, and/or e) one or more of the 3D direct recordings made is/are evaluated using diagnosis and/or is/are stored for diagnosis and/or is/are output.

IPC 8 full level

A01J 5/017 (2006.01)

CPC (source: EP US)

A01J 5/0175 (2013.01 - EP US)

Citation (search report)

See references of WO 2010012625A2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008035384 A1 20100204; CN 102105049 A 20110622; EP 2341767 A2 20110713; RU 2011106596 A 20120910; US 2011168096 A1 20110714; WO 2010012625 A2 20100204; WO 2010012625 A3 20100610

DOCDB simple family (application)

DE 102008035384 A 20080729; CN 200980129264 A 20090720; EP 09780839 A 20090720; EP 2009059311 W 20090720; RU 2011106596 A 20090720; US 73759909 A 20090720