

Title (en)
METHOD FOR ASSESSING THE QUALITY OF ANIMAL HALF-CARCASSES

Title (de)
VERFAHREN ZUR BEURTEILUNG DER QUALITÄT VON SCHLACHTTIERHÄLFTEN

Title (fr)
DISPOSITIF POUR EVALUER LA QUALITE DE MOITIES DE CARCASSES ANIMALES

Publication
EP 1196035 A1 20020417 (DE)

Application
EP 00934925 A 20000420

Priority
• DE 0001287 W 20000420
• DE 19936032 A 19990730

Abstract (en)
[origin: DE19936032C1] The invention relates to a method which, using optical image processing, ensures an automatic quality assessment of animal half-carcasses, in particular, of slaughtered pigs, whereby, compared to prior art methods, a higher reproducible estimation accuracy, which can not be significantly influenced by errors made during the cleaving process of the slaughtered animal, is attained by carrying out image acquisition in a manner that is not absolutely perpendicular in relation to the cleaving plane. To this end, the invention provides that an optical recorded image of the animal half-carcass is photogrammetrically evaluated in the cleaving plane, in the area of the ham-loin region. The vertebral column (3), the hinge bone (2), the thinnest fat thickness on the musculus gluteus medium (MGM) (16), and the contours of the fat back (6; 12) in the selected region are used as distinctive reference points. The portion of lean meat which leads to the assessment of quality is calculated by adding the partial lengths in the region of the meat and of the fat layer which are set in proportion to one another and which are perpendicular to the straight progression of the back marrow channel while taking into account a base constant as well as constants for each term, which are established from regression calculations.

IPC 1-7
A22B 5/00; **G01N 33/12**; **G06T 5/00**; **G06T 7/40**

IPC 8 full level
A22B 5/00 (2006.01); **G01N 33/12** (2006.01)

CPC (source: EP)
A22B 5/007 (2013.01); **G01N 33/12** (2013.01)

Citation (search report)
See references of WO 0108500A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 19936032 C1 20000713; CA 2371911 A1 20010208; CN 1367648 A 20020904; EA 003375 B1 20030424; EA 200200213 A1 20020627; EP 1196035 A1 20020417; ES 2170737 T1 20020816; PL 354080 A1 20031215; WO 0108500 A1 20010208

DOCDB simple family (application)
DE 19936032 A 19990730; CA 2371911 A 20000420; CN 00811176 A 20000420; DE 0001287 W 20000420; EA 200200213 A 20000420; EP 00934925 A 20000420; ES 00934925 T 20000420; PL 35408000 A 20000420