

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE QUALITY AND/OR OPTICALLY CHARACTERIZING MILK

Title (de)

VERFAHREN UND VORRICHTUNG ZUR QUALITÄTSPRÜFUNG BZW. ZUR OPTISCHEN CHARAKTERISIERUNG VON MILCH

Title (fr)

PROCEDE ET DISPOSITIF DE CONTROLE DE LA QUALITE DU LAIT ET DE CARACTERISATION OPTIQUE DU LAIT

Publication

EP 1377813 A1 20040107 (DE)

Application

EP 02732607 A 20020412

Priority

- DE 10118329 A 20010412
- EP 0204076 W 20020412

Abstract (en)

[origin: WO02084260A1] The inventive method for optically characterizing milk (5) with the aid of an optical system (1) comprises the following steps: the optical system is initially calibrated; at least one optical spectrum of the milk is then detected at at least one frequency; a first representation is used to image the spectrum thus obtained onto at least one color vector within a color range; and a second representation is used to image the at least one color vector onto at least one feature vector within a feature vector range. The features of consumable milk can thus be formulated in a compact manner and a high degree of selectivity can be provided, requiring little numeric complexity.

IPC 1-7

G01N 21/27; **G01N 33/04**; **G01J 3/50**

IPC 8 full level

G01N 21/27 (2006.01); **G01N 33/04** (2006.01)

CPC (source: EP)

A01J 5/0135 (2013.01); **G01N 21/27** (2013.01); **G01N 21/274** (2013.01); **G01N 33/04** (2013.01)

Citation (search report)

See references of WO 02084260A1

Citation (examination)

WO 9820338 A1 19980514 - FOSS ELECTRIC AS [DK], et al

Cited by

CN113074663A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02084260 A1 20021024; DE 10118329 A1 20021024; EP 1377813 A1 20040107

DOCDB simple family (application)

EP 0204076 W 20020412; DE 10118329 A 20010412; EP 02732607 A 20020412