Title (en)
    Process for extracting hard wheat germs and installation for carrying out the process

Title (de)
    Verfahren zur Gewinnung von Hart-Weizenkeimen und Anlage zur Ausführung des Verfahrens

Title (fr)
    Procédé d'extraction du germe de blé dur et installation de mise en oeuvre

Publication
    EP 1247579 A1 20021009 (FR)

Application
    EP 02356064 A 20020404

Priority
    FR 0104591 A 20010404

Abstract (en)
    The method of extracting natural hard wheat germ from a mass of grains containing a heterogeneous mixture of grains, germs and impurities comprises a first cleaning stage to eliminate a significant part of its waste and impurities having a similar size to that of the germs. From the cleaned mass a first mechanical separation stage consisting of passing the cleaned hard wheat over and through a grille is carried out to obtain a proportion of fine products containing germs mixed with grains and residual dust or waste. A second separation stage comprises a densimetric separation and is followed by a third stage of passing the fraction over a sieve to recover the graded fraction containing the germ. A final purification stage consists of passing the fraction over a purifier. An Independent claim is included for an extraction installation.

Abstract (fr)
    L'invention concerne un procédé d'extraction dans son état naturel du germe de blé dur dans lequel, à partir d'une masse de céréales récoltées contenant un mélange hétérogène de grains, de germes et de déchets ou impuretés, on assure successivement et progressivement la séparation du germe pour le récupérer, ledit procédé étant réalisé par une suite d'étapes d'extraction exclusivement mécaniques et par voie sèche, sans apport extérieur de liquide. <IMAGE>

IPC 1-7
    B02B 3/00; B02B 5/02

IPC 8 full level
    B02B 3/00 (2006.01); **B02B 5/02** (2006.01)

CPC (source: EP)
    B02B 3/00 (2013.01); **B02B 5/02** (2013.01)

Citation (search report)
- [XA] FR 2404467 A1 19790427 - BUEHLER AG GEB [CH]
- [XA] FR 1334115 A 19630802 - OCRIM SPA

Cited by
    CN114433299A

Designated contracting state (EPC)
    DE ES FR IT

DOCDB simple family (publication)
    EP 1247579 A1 20021009; **EP 1247579 B1 20100331**; DE 60235783 D1 20100512; ES 2343566 T3 20100804; FR 2823074 A1 20021011; FR 2823074 B1 20040416

DOCDB simple family (application)
    EP 02356064 A 20020404; DE 60235783 T 20020404; ES 02356064 T 20020404; FR 0104591 A 20010404