Title (en)

COMMINUTING DEVICE COMPRISING SEVERAL SUBSTANTIALLY PARALLEL, MOTOR-DRIVEN ROTATING OR OSCILLATING SHAFTS

Title (de)

ZERKLEINERUNGSVORRICHTUNG MIT MEHREREN, IM WESENTLICHEN PARALLEL VERLAUFENDEN, MOTORISCH ANGETRIEBENEN ROTIERENDEN ODER OSZILLIERENDEN WELLEN

Title (fr)

DISPOSITIF DE COMMINUTION COMPORTANT PLUSIEURS ARBRES ROTATIFS OU OSCILLANTS, ESSENTIELLEMENT PARALLELES, ENTRAINES PAR MOTEUR

Publication

EP 1904236 A1 20080402 (DE)

Application

EP 06763827 A 20060622

Priority

- EP 2006063434 W 20060622
- DE 102005034233 A 20050721
- DE 102005039200 A 20050818

Abstract (en)

[origin: WO2007009853A1] The invention relates to a comminuting device comprising several substantially parallel, motor-driven rotating or oscillating shafts (5) which are disposed in a machine housing below a feeding funnel. Said shafts are provided with a plurality of comminuting tool disks which are preferably offset relative to each other and are equipped with intermediate spacing elements or spacing disks. The took disks encompass tooth-shaped protrusions. The inventive comminuting device is used particularly for cracking shell fruit, grains, cereals, or similar biomass. A movable slider (6) whose moving direction can be selected so as to move towards the shafts (5) along with the tool disks and move away therefrom is provided in the machine housing (1), the path of movement extending substantially perpendicular to the plane formed by the axes of the shafts and said plane of the axes being oriented essentially parallel to the slider surface such that biomass that is fed is pressed against the respective tool disks and the comminuting process is initiated when the slider is moved.

IPC 8 full level

B02C 18/22 (2006.01); **B02C 18/14** (2006.01); **B02C 23/02** (2006.01)

CPC (source: EP)

B02C 18/142 (2013.01); **B02C 18/2233** (2013.01); **B02C 23/02** (2013.01)

Citation (search report)

See references of WO 2007009853A1

Designated contracting state (EPC)

AT DE FR IT PL

DOCDB simple family (publication)

WO 2007009853 A1 20070125; DE 102005039200 A1 20070201; DE 102005039200 B4 20081030; EP 1904236 A1 20080402

DOCDB simple family (application)

EP 2006063434 W 20060622; DE 102005039200 A 20050818; EP 06763827 A 20060622