

Title (en)

METHOD AND DEVICE FOR WET-GRINDING AND DISPERSING SOLID PARTICLES IN LIQUIDS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM NASSMAHLEN UND DISPERGIEREN VON FESTSTOFFPARTIKELN IN FLÜSSIGKEITEN

Title (fr)

PROCEDE ET DISPOSITIF DE BROYAGE PAR VOIE HUMIDE ET DISPERSION DE PARTICULES SOLIDES DANS DES LIQUIDES

Publication

EP 0824374 A1 19980225 (DE)

Application

EP 96914911 A 19960413

Priority

- DE 19514700 A 19950421
- DE 19614295 A 19960411
- EP 9601567 W 19960413

Abstract (en)

[origin: WO9633019A1] The invention concerns a method and a device for wet-grinding and dispersing solid particles in liquids, using a stirrer-type grinder consisting of at least one chamber (1) containing grinding elements (3) and at least one rotor (2), the chamber (1) and rotor (2) being designed to be rotated independently of each other by at least one drive (8, 8') and the material to be ground (4) being fed into the grinding chamber (1) through a hollow shaft (5). The grinding elements (3) in the grinding chamber are strongly compressed by the rotation of the chamber. The rotor (2) is set in motion, the rotational speeds of the chamber (1) and the rotor (2) keeping in step with each other, the rotor (2) turning at a constant faster speed or constant slower speed than the chamber (1), or at alternating faster and slower speeds, or at the same speed. The material is fed into the chamber (1) containing the rotor (2) through a hollow shaft (5) and, after grinding, is thrown by centrifugal force through outlet openings (11) into a collector container (14).

IPC 1-7

B02C 17/16

IPC 8 full level

B02C 17/16 (2006.01)

CPC (source: EP)

B02C 17/168 (2013.01)

Citation (search report)

See references of WO 9633019A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

WO 9633019 A1 19961024; EP 0824374 A1 19980225; JP H11503666 A 19990330

DOCDB simple family (application)

EP 9601567 W 19960413; EP 96914911 A 19960413; JP 53145496 A 19960413