

Title (en)

PROCESS AND DEVICE FOR CONTROLLING THE ROTATION SPEED IN AGITATING BALL MILLS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGELUNG DER DREHZAHL BEI RÜHRWERKSKUGELMÜHLEN

Title (fr)

PROCEDE ET DISPOSITIF DE REGLAGE DE LA VITESSE DE ROTATION DE BROyeurs-AGITATEURS A BOULES

Publication

EP 0478566 B2 19960925 (DE)

Application

EP 90906898 A 19900514

Priority

- DE 9000348 W 19900514
- DE 3920273 A 19890621

Abstract (en)

[origin: WO9015665A1] In a process and corresponding device for controlling the rotation speed in agitating ball mills having a milling chamber containing milling balls, a rotatably fitted agitator in the milling chamber and a drive for the agitator, where the rotation speed n of the agitator is measured, in order to improve process control, the torque M of the agitator is measured and the rotation speed n is so controlled that the rotation speed n , the torque M or the mechanical agitation power P meet predetermined set values in accordance with the relation $P = 2 \pi \cdot n \cdot M$ ($\pi = 3.141\dots$)

IPC 1-7

B02C 17/16

IPC 8 full level

B02C 17/16 (2006.01); **B02C 25/00** (2006.01)

CPC (source: EP US)

B02C 17/16 (2013.01 - EP US)

Cited by

CN108940552A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9015665 A1 19901227; DE 3920273 A1 19910103; DE 59004158 D1 19940217; EP 0478566 A1 19920408; EP 0478566 B1 19940105; EP 0478566 B2 19960925; ES 2049032 T3 19940401; ES 2049032 T5 19970116; JP 2545001 B2 19961016; JP H04506028 A 19921022; US 5215263 A 19930601

DOCDB simple family (application)

DE 9000348 W 19900514; DE 3920273 A 19890621; DE 59004158 T 19900514; EP 90906898 A 19900514; ES 90906898 T 19900514; JP 50730390 A 19900514; US 77730091 A 19911213