

Title (en)  
BALL MILL.

Title (de)  
KUGELMÜHLE.

Title (fr)  
BROYEUR A BOULETS.

Publication  
**EP 0311686 A4 19891012 (DE)**

Application  
**EP 87904364 A 19870326**

Priority  
SU 8700038 W 19870326

Abstract (en)  
[origin: WO8807411A1] A ball mill comprises a rotatably mounted casing (1) with lined internal surface and lined end-face bottoms (2, 3), provided with inlet (4) and outlet (5) openings and containing inside it at least one perforated partition (6) oriented at an angle ( $\theta(a)$ ) to its longitudinal axis and dividing the casing (1) into coarse-grinding and fine-grinding chambers (8, 9) filled with grinding bodies. The lined internal surface of the chambers (8, 9) is shaped as truncated cones facing with their larger bases the perforated partition (6) the angle ( $\theta(a)$ ) of inclination of the generatrices (12, 13) of which is substantially equal to the angle of natural slip of the grinding bodies contained in the corresponding chamber (8, 9), the volume of the coarse-grinding chamber (8) being smaller than that of the fine-grinding chamber (9).

IPC 1-7  
**B02C 17/06**; **B02C 17/22**

IPC 8 full level  
**B02C 17/00** (2006.01); **B02C 17/06** (2006.01); **B02C 17/22** (2006.01)

CPC (source: EP US)  
**B02C 17/06** (2013.01 - EP US); **B02C 17/22** (2013.01 - EP US)

Citation (search report)

- Keine Entgegenhaltungen.
- See references of WO 8807411A1

Cited by  
CN109107696A; CN115608474A

Designated contracting state (EPC)  
DE FR GB IT SE

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**WO 8807411 A1 19881006**; DK 654688 A 19881124; DK 654688 D0 19881124; EP 0311686 A1 19890419; EP 0311686 A4 19891012; IN 172021 B 19930313; JP H01502726 A 19890921; US 4867322 A 19890919

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