

Title (en)  
BALL MILL

Publication  
**EP 0184992 B1 19900207 (DE)**

Application  
**EP 85810576 A 19851205**

Priority  
DE 3444575 A 19841206

Abstract (en)  
[origin: ES8701525A1] A drive body (4) which is rotationally driven via a shaft (6) projects into a fixed housing (1) closed by a cover (2). The annular-gap-shaped grinding chamber (M) formed between the housing (1) and the drive body (4) is partially filled with grinding balls, for example to 75%, and grinding stock flows continuously through it. The grinding stock enters from a product inlet (8) via the inlet gap (7) into the grinding chamber and leaves the latter through the discharge gap (3) which does not let through the grinding balls. The grinding chamber (M) is continuously widened from the mouth of the inlet gap (7) up to a deflection point (U). This results in a better starting behavior and a substantially more effective grinding, because a considerably higher grinding ball filling ratio can be achieved at the same circulating time of the grinding balls.

IPC 1-7  
**B02C 17/16**

IPC 8 full level  
**B02C 17/16** (2006.01)

CPC (source: EP US)  
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Cited by  
EP0824964A1; EP0913200A1

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DOCDB simple family (publication)  
**EP 0184992 A2 19860618; EP 0184992 A3 19871119; EP 0184992 B1 19900207**; AT E50161 T1 19900215; CN 85109509 A 19860610; DE 3444575 A1 19860612; DE 3575875 D1 19900315; DK 164989 B 19920928; DK 164989 C 19930208; DK 563085 A 19860607; DK 563085 D0 19851205; ES 549599 A0 19861201; ES 8701525 A1 19861201; JP S61136447 A 19860624; US 4715547 A 19871229

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