

Title (en)  
Agitator ball mill

Title (de)  
Rührwerkskugelmühle

Title (fr)  
Broyeur agitateur à billes

Publication  
**EP 0665059 B1 19981223 (DE)**

Application  
**EP 95101100 A 19950127**

Priority  
DE 4402609 A 19940128

Abstract (en)  
[origin: US5590841A] An agitator ball mill for processing free-flowing products features a horizontally split housing (2a, 2b) as a grinding bin in which a disc-shaped agitator (1) is arranged to rotate. The product enters the grinding product inlet (17) and flows through an upper disc-shaped grinding chamber (8a), an outside deflection zone (10), and a lower disc-shaped grinding chamber (8b). At the lower grinding chamber (8b), a deflection zone (11) arranged radially to the inside is connected in which the product containing the grinding pearls is deflected to the upper grinding chamber (8a). In the area between the deflection zone (11) and the upper grinding chamber (8a), a branch channel (13) branches off radially to the inside to the separation zone (14), along which a partial stream of product flows to this separation zone (14) whereas a second partial product stream together with the grinding pearls enters the upper grinding chamber (8a).

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

IPC 8 full level  
**B02C 17/00** (2006.01); **B02C 17/16** (2006.01); **B02C 17/18** (2006.01)

CPC (source: EP KR US)  
**B02C 17/16** (2013.01 - KR); **B02C 17/161** (2013.01 - EP US); **B02C 17/163** (2013.01 - EP US); **B02C 17/166** (2013.01 - EP US)

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

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**US 5590841 A 19970107**; AT E174814 T1 19990115; CN 1051253 C 20000412; CN 1114595 A 19960110; DE 4402609 C1 19941208; DE 4402609 C2 19970507; DE 59504593 D1 19990204; DK 0665059 T3 19990823; EP 0665059 A1 19950802; EP 0665059 B1 19981223; ES 2128598 T3 19990516; JP 2967803 B2 19991025; JP H0833851 A 19960206; KR 0169843 B1 19990115; KR 950031236 A 19951218; MY 113837 A 20020629

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