

Title (en)  
STIRRING MILL

Publication  
**EP 0448100 B1 19930915 (DE)**

Application  
**EP 91104441 A 19910321**

Priority  
DE 4009092 A 19900321

Abstract (en)  
[origin: EP0448100A1] The stirring mill has a grinding container (10) which contains a grinding space (12) which can be filled at least partially with grinding bodies (14) and material for grinding (15), and contains an inlet for material for grinding and an outlet (20) for material for grinding, and a stirring shaft (11) which has an inner shaft end (19) which is arranged in the grinding space (12), and a cavity (16). The cavity (16) is open at the end side at the inner shaft end (19) for the inflow of grinding bodies (14) and material for grinding (15). Arranged in the cavity (16) is a separating device (17) which permits completely processed material for grinding (15) to flow away to the outlet (20) for material for grinding but retains grinding bodies (14). The stirring shaft (11) has recesses (18) which are arranged all round the cavity (16) and which permit grinding bodies (14) which have passed through the inner shaft end (19) into the cavity (16) to flow back into the grinding space (12). Arranged between the inner shaft end (19) and the separating device (17) is a deflection device (21) which keeps grinding bodies (14) which are flowing into the cavity (16) away from the separating device (17) and leads them out of the cavity (16) and back into the grinding space (12). As a result, wear of the separating device (17) is largely avoided. <IMAGE>

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

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

CPC (source: EP)  
**B02C 17/161** (2013.01)

Cited by  
EP2246113A1; EP1992412A1; CN112969537A; CN102421528A; CN103418485A; WO2014187824A1; US7931222B2; WO2010126442A1; WO2007042059A1

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