

Title (en)  
Agitator ball mill

Title (de)  
Rührwerkskugelmühle

Title (fr)  
Broyeur agitateur à billes

Publication  
**EP 1468739 B1 20080319 (DE)**

Application  
**EP 04405182 A 20040324**

Priority  
CH 6782003 A 20030415

Abstract (en)  
[origin: EP1468739A1] The agitating ball mill has separating system formed from a separating component (80) which has two circular discs (5,7) co-axial to the chamber axis, and between which are installed several transporting or vane elements distributed symmetrically around the disc center point and leading inwards from the disc edge. During the operation of the separating device the transporting or vane elements create a back pressure on the material and milling body mix so by centrifugal force and different specific densities the milling bodies are separated from the product and transported back to the inner chamber (3) of the mill.

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

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

Cited by  
EP2327479A1; DE102010053484A1; DE102007043670A1; CN102794215A; CN103657801A; EP2036613A3; FR3018807A1; CN102069025A; CN102814216A; DE102015105103A1; CN103056011A; CN108435341A; EP2106859A3; RU2663485C2; CN111185282A; US8702023B2; EP2886198A1; CN104815726A; CN110328021A; WO2012055388A3; WO2017000757A1; WO2012083915A3; EP2327480A1; US8118247B2; WO2020016363A1; US7845589B2; EP2036613A2; TWI410281B; TWI503173B; WO2012083915A2; US8794558B2; US8876028B2; DE102013111762A1; WO2015003676A1; US10610871B2; US11141737B2; EP2484450B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
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