

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)
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EP 1468739 A1 20041020; EP 1468739 B1 20080319; AT E389456 T1 20080415; DE 502004006541 D1 20080430; DK 1468739 T3 20080721; ES 2304157 T3 20080916; JP 2004314066 A 20041111; JP 4205620 B2 20090107; PL 1468739 T3 20081031; US 2005224612 A1 20051013; US 7014134 B2 20060321

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EP 04405182 A 20040324; AT 04405182 T 20040324; DE 502004006541 T 20040324; DK 04405182 T 20040324; ES 04405182 T 20040324; JP 2004102868 A 20040331; PL 04405182 T 20040324; US 82313104 A 20040413