

Title (en)  
Stirring ball mill

Title (de)  
Rührwerkskugelmühle

Title (fr)  
Broyeur à billes à agitateur

Publication  
**EP 2189221 B1 20140716 (DE)**

Application  
**EP 09006371 A 20090512**

Priority  
DE 102008058585 A 20081122

Abstract (en)  
[origin: EP2189221A2] The mill (10) has a milling container (12) enclosing a stirring shaft (20), where the shaft is arranged parallel to a longitudinal axis within the container. A separation device i.e. sieve (32), retains auxiliary milling bodies in a milling chamber (16), and a precrushing device (50) is provided after a product inlet (42) and is connected to the chamber. A milling chamber-sided end of a milling opening (64) is overlapped by a static or dynamic opening guard that is connected with a rotary part (54) or a fixed part (52) of the precrushing device.

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

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

Cited by  
CN105618207A; CN107952529A; CN105664768A; US9505008B2; US8702023B2; WO2014005570A3; WO2012055388A3; US10792665B2; WO2022177525A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2189221 A2 20100526; EP 2189221 A3 20130424; EP 2189221 B1 20140716**; BR PI0902612 A2 20100914; BR PI0902612 B1 20200407; DE 102008058585 A1 20100527; DK 2189221 T3 20141006; ES 2517940 T3 20141104; PL 2189221 T3 20150130; US 2010127108 A1 20100527; US 8028943 B2 20111004

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**EP 09006371 A 20090512**; BR PI0902612 A 20090728; DE 102008058585 A 20081122; DK 09006371 T 20090512; ES 09006371 T 20090512; PL 09006371 T 20090512; US 55722309 A 20090910