

Title (en)  
AGITATOR BALL MILL

Title (de)  
RÜHRWERKSKUGELMÜHLE

Title (fr)  
BROYEUR À BILLES À AGITATEUR

Publication  
**EP 3311921 B1 20180926 (DE)**

Application  
**EP 16194368 A 20161018**

Priority  
EP 16194368 A 20161018

Abstract (en)  
[origin: US2018104698A1] An agitator ball mill comprises agitating discs (18) on an agitating shaft drivable in a spinning direction (38), which are provided with entraining profiles (35). These entraining profiles (35) are formed by channels (36) each comprising with its—in relation to the spinning direction (38)—trailing wall (39) an inner channel section (49) running radially straight relative to the central longitudinal axis (15) and having a length f, and in the further course an outer bent-off channel section (41), which is bent off counter to the spinning direction (38). The outer channel sections (41) are closed radially to the outside by a peripheral portion (42) of the agitating disc (18) having a radial width e.

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

CPC (source: CN EP KR US)  
**B02C 7/06** (2013.01 - KR); **B02C 7/12** (2013.01 - KR); **B02C 7/16** (2013.01 - KR); **B02C 17/16** (2013.01 - US); **B02C 17/161** (2013.01 - US); **B02C 17/163** (2013.01 - CN EP US); **B02C 17/1855** (2013.01 - US); **B02C 23/02** (2013.01 - KR); **B02C 2017/165** (2013.01 - US)

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3311921 A1 20180425; EP 3311921 B1 20180926**; CN 107952530 A 20180424; CN 107952530 B 20191108; DK 3311921 T3 20190114; ES 2698254 T3 20190201; HK 1248174 A1 20181012; JP 2018108572 A 20180712; JP 6470814 B2 20190213; KR 101859335 B1 20180627; KR 20180042811 A 20180426; MY 189809 A 20220309; PL 3311921 T3 20190329; US 10173222 B2 20190108; US 2018104698 A1 20180419

DOCDB simple family (application)  
**EP 16194368 A 20161018**; CN 201710958669 A 20171016; DK 16194368 T 20161018; ES 16194368 T 20161018; HK 18107542 A 20180611; JP 2017201896 A 20171018; KR 20170134700 A 20171017; MY PI2017703632 A 20170927; PL 16194368 T 20161018; US 201715783304 A 20171013