

Title (en)  
AGITATOR BALL MILL

Title (de)  
RÜHRWERKSKUGELMÜHLE

Title (fr)  
BROYEUR À BILLES À AGITATEUR

Publication  
**EP 3102332 A1 20161214 (DE)**

Application  
**EP 15702511 A 20150206**

Priority  
• EP 14154350 A 20140207  
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Abstract (en)  
[origin: WO2015118090A1] The invention relates to an agitator ball mill comprising a grinding chamber (1), a rotatably mounted agitator shaft (5) which protrudes into the grinding chamber (1) and on which agitator elements (10, 20, 30) formed as paddle wheels are disposed axially spaced apart from one another, an inlet (6) for delivery of material for grinding and grinding elements, and an outlet (7) for removing the ground material. The agitator elements (10, 20, 30) are designed such that in operation the agitator elements convey a mixture consisting of material to be ground or to be dispersed and convey grinding elements through the interior of said elements outwards away from the agitator shaft (5). Return elements (17, 27, 37; 47; 57) disposed in the grinding chamber (1) are non-rotatably connected to the agitator shaft (5) and convey the mixture laterally adjacent to and/or between the agitator elements (10, 20, 30) and inwards towards the agitator shaft (5).

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**B02C 17/16** (2006.01)

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Citation (search report)  
See references of WO 2015118090A1

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EP4000735A1; US11919007B2

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