

Title (en)  
AGITATOR BALL MILL

Title (de)  
RÜHRWERKSKUGELMÜHLE

Title (fr)  
BROYEUR À BOULETS À AGITATEUR

Publication  
**EP 4000735 B1 20230802 (DE)**

Application  
**EP 21208681 A 20211117**

Priority  
EP 20208296 A 20201118

Abstract (en)  
[origin: US2022152621A1] An agitator ball mill comprising a grinding chamber having a cylindrical wall, and further having a rotatably mounted agitator shaft extending into the grinding chamber and on which at least one agitator element is arranged inside the grinding chamber. The mill further comprises an inlet for supplying to the grinding chamber material to be ground and grinding bodies, an outlet for removal of the ground material, and an induction heater for the material to be ground located in the grinding chamber, the induction heater comprising an inductor and a susceptor. The at least one agitator element comprises a susceptor material which forms the susceptor of the induction heater, wherein the inductor comprises at least one coil which is arranged outside the cylindrical wall of the grinding chamber and encompasses the grinding chamber, and wherein the cylindrical wall of the grinding chamber consists of an electrically and magnetically non-conductive material.

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

CPC (source: CN EP KR US)  
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Cited by  
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DOCDB simple family (publication)  
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