

Title (en)  
AGITATOR BALL MILL

Title (de)  
RÜHRWERKSKUGELMÜHLE

Title (fr)  
BROYEUR À BOULETS À AGITATEUR

Publication  
**EP 3946741 B1 20230823 (DE)**

Application  
**EP 21715572 A 20210326**

Priority  
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• EP 2021057973 W 20210326

Abstract (en)  
[origin: WO2021191430A1] The present disclosure comprises an agitator mill for treating flowable material to be milled, comprising a circular-cylindrical outer stator (2) and an agitator which is mounted rotatably about a common central axis (5) and has a circular-cylindrical rotor. The rotor (1) is arranged inside the outer stator (2) and a milling chamber (4) is formed between the rotor (1) and the outer stator (2). A through-flow direction, which extends from a feed channel (7) to a discharge channel (6), is defined in the milling chamber (4). The milling chamber (4) has a constant width between the outer stator (2) and the rotor (1). The milling chamber (4) is at least partially filled with milling elements. A number of rotor milling implements (11), which extend in the direction of the outer stator (2), are attached to the rotor (1), while a number of outer stator milling implements (21, 211), which project with a length radially into the milling chamber (4), are attached to the outer stator (2). The outer stator milling implements (21, 211) are arranged spaced apart alongside one another in the circumferential direction and form rows. These rows are arranged parallel to one another along the central axis on the outer stator (2). The outer stator milling implements (211) of at least one row, preferably of three rows, of outer stator milling implements (211) on the side of the milling chamber that is facing away from the feed channel (7) have a greater radial length than the other outer stator milling implements (21). The outer stator milling implements (21, 211) of each row respectively have the same length in the circumferential direction.

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