

Title (en)

STIRRED BALL MILL, STIRRED BALL MILL STIRRING MECHANISM, AND METHOD FOR COMMINUTING MILLING MATERIAL

Title (de)

RÜHRWERKSKUGELMÜHLE, RÜHRWERKSKUGELMÜHLENRÜHRWERK UND VERFAHREN ZUM ZERKLEINERN VON MAHLGUT

Title (fr)

BROYEUR À BOULETS AGITÉ, MÉCANISME D'AGITATION DE BROYEUR À BOULETS AGITÉ, ET PROCÉDÉ DE BROYAGE DE MATÉRIAU À BROYER

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Application

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Abstract (en)

[origin: WO2021148623A1] The present invention relates to a stirred ball mill (1) comprising a milling container (2), at least three stirring shafts (3) and a drive (4), the milling container (2) being arranged in a main direction and having a milling chamber (5) which is suitable for receiving milling material and milling aids. Each of the at least three stirring shafts (3) has a centre axis (X) arranged parallel to the main direction of the milling container (2) and is designed as a screw fixed to the frame in the milling container (2) and rotatable about the centre axis (X). The drive (4) is designed to rotate the at least three stirring shafts (3) about their respective centre axes (X), wherein the at least three stirring shafts (3) do not touch each other, and the centre axes (X) of the at least three stirring shafts (3) are arranged as side edges of a prism. The invention also relates to a stirred ball mill stirring mechanism for such a stirred ball mill (1) and to a method for comminuting milling material.

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