

Title (en)
STIRRED BALL MILL

Title (de)
RÜHRWERKSKUGELMÜHLE

Title (fr)
BROYEUR À BILLES AGITÉ

Publication
EP 2683487 A2 20140115 (DE)

Application
EP 12707769 A 20120309

Priority
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Abstract (en)
[origin: WO2012123347A2] A stirred ball mill comprises a container (2), the inner wall of which delimits a cylindrical or conical, vertically arranged milling chamber (21). Furthermore, it comprises a milling-material inlet (3), a milling-body inlet (7) and a milling-material outlet (4). Furthermore, it comprises a stirring machine (5) which extends in the milling chamber (21) in the axial direction and has at least one stirring member (51) which, in the case of the rotation of the stirring machine (5) in a first rotational direction, conveys the milling material from the milling-material inlet (3) to the milling-material outlet (4). A separating device (6) is arranged in the milling chamber (21) immediately upstream of the milling-material outlet in the conveying direction, which separating device (6) retains the milling bodies in the milling chamber (21) but permits discharging of the milling material through the milling-material outlet (4). A milling-body outlet channel (8) which extends tangentially with respect to the inner wall of the container (2) and emanates from the milling chamber (21) is arranged at the lower end of the milling chamber (21), through which milling-body outlet channel (8) the milling bodies are conveyed out of the milling chamber (21) by means of a throughflow of the milling chamber (21) towards its lower end.

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CPC (source: EP US)
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