

Title (en)
STIRRER MILL

Title (de)
RÜHRWERKSMÜHLE

Title (fr)
BROYEUR AGITATEUR

Publication
EP 2178642 B1 20101215 (DE)

Application
EP 07786694 A 20070817

Priority
EP 2007007278 W 20070817

Abstract (en)
[origin: WO2009024158A1] A stirrer mill comprises a milling vessel (2) and a stirring shaft (5) arranged such that it can be driven to rotate therein. Mounted at the end of the stirring shaft (2) is a last stirring disc (17) on which is mounted a substantially cylindrically shaped cage (19) having perforations (20). Inside the cage (19) is arranged a screening device (23). The distance between a second-last stirring disc (14) and the last stirring disc (17) is such as to form a braided flow (29) while avoiding a preclassification of grinding material on the one hand and grinding aids (28) and coarse grinding material particles on the other hand. In the last stirring disc (17) are formed openings (22) through which the grinding material together with the grinding aids (28) passes, whereupon the grinding aids (28) and the coarse grinding material particles are separated inside the separating chamber (21) formed by the last stirring disc (17) and the cage (19). In the last stirring disc (17) are formed depressions (27) which promote the formation of a braided flow (29) between the last stirring disc (17) and an adjacent stirring disc (14).

IPC 8 full level
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CPC (source: EP US)
B02C 17/161 (2013.01 - EP US); **B02C 17/163** (2013.01 - EP US)

Cited by
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