Title (en)

AGITATOR MILL

Publication

EP 0146852 B1 19870304 (DE)

Application

EP 84114919 A 19841207

Priority

DE 3345680 A 19831216

Abstract (en)

[origin: WO8502559A1] A mixing shaft (22) is installed in a milling container (12) comprising a milling chamber (18) which may be filled at least partially with milling elements (50) and with material to be milled (52) and having an inlet and an outlet for the material to be milled. The terminal segment (38) of the mixing shaft (22) is provided with a hollow cavity (40) open at the inner end of the shaft. The terminal segment (38) is provided around the hollow cavity (40) with recesses (46) arranged in circle and letting the milling elements (50) through the inner end of the shaft in the hollow cavity (40). Inside said hollow cavity (40) there is arranged a separation unit (42) which lets the material to be milled (52) which has been subjected to the treatment in the milling chamber (18) flow to the outlet, while retaining the milling elements (50). The separation unit (42) is thus protected efficiently against direct impacts of activated milling elements (50). The rotation of the mixing shaft (22) prevents from blocking the separation unit (42).

IPC 1-7

B02C 17/16

IPC 8 full level

B02C 17/16 (2006.01); **B02C 17/18** (2006.01)

CPC (source: EP US)

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Cited by

EP0700722A1; EP0700723A1; DE3716587C1; DE19819967B4; DE4240779C1; EP0376001A1; EP0260604A3; DE4412408C2; DE4448043B4; EP0304062A3; DE3727863C1; DE4009092C1; EP0206207A3; DE3844380C1; CH700446A1; US5062577A; AU616412B2; DE4432200C1; US5624080A; EP0504836A1; DE4109332A1; DE10064828B4; US5566896A; DE19510807A1; EP3536406A1; CN111801165A; US8814071B2; WO9007378A1; WO2019170663A1; WO8809212A1; WO2010112274A1

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