

Title (en)
AGITATOR MILL

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Application
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Priority
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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).

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IPC 8 full level
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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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