

Title (en)
SOLID BOWL SCREW CENTRIFUGE

Title (de)
VOLLMANTEL-SCHNECKENZENTRIFUGE

Title (fr)
CENTRIFUGEUSE À VIS SANS FIN ET À BOL PLEIN

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Application
EP 19749629 A 20190725

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Abstract (en)
[origin: WO2020030438A1] The invention relates to a solid bowl centrifuge having a housing (100) and a rotor (200) which is rotatably mounted in the housing (100), which solid bowl centrifuge comprises at least the following: a rotatable drum (210) having an axis of rotation (D), the drum (210) having a cylindrical portion (211) having a length L1 and a conical portion (212) having the length L2, which, when added, give the length LT of the drum (210), at least one liquid outlet (217) which is arranged in the cylindrical portion (211) of the drum (210) and at least one solid material outlet (218) which is arranged in the conical portion (212) of the drum, a screw (230) which is arranged in the drum and is rotatable relative to the rotatable drum (210) with a differential speed, the drum (210) and the screw (230) together forming the rotor (200), at least two drum bearings (221, 222) for supporting the drum (210) in the housing (100), which are spaced apart with a spacing LL, and at least one screw bearing (236) for supporting the screw (230) in the drum (210), characterised in that the spacing LL of the drum bearings (221, 222) for supporting the drum (210) relative to one another is less than the length LT of the drum (210).

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