

Title (en)
CENTRIFUGE WITH ENERGY RECUPERATION

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Application
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Priority
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Abstract (en)
[origin: ES8406901A1] Centrifuge comprising two drums (1,2) having coaxial horizontal axes. The inner drum carries a set of dishes (33) and, on the periphery, a scraper screw (36). A sludge chamber (23) is provided at one end of the outer drum (2) and, by way of passages (28) adapted to be closed by a discharge device, is in communication with the outside. The centrifuge is provided with a double energy recuperation device comprising a centripetal wheel (38) and a ring (40) of ejectors fastened to the inner drum, together with blading (42) fixed opposite the ejectors. The ejectors (42) are so directed that the absolute speed of the fluid leaving the centrifuge is low. The discharge device comprises an overflow (26) continuously fed in order to hold, by pressure, a movable plate (19) in the closed position in front of the passages (28).

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