

Title (en)
HELICAL CONVEYOR CENTRIFUGE

Title (de)
SCHNECKENZENTRIFUGE

Title (fr)
CENTRIFUGEUSE A VIS SANS FIN

Publication
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Application
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Priority
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Abstract (en)
[origin: WO03078070A1] The helical conveyor centrifuge is provided for the wet-mechanical separation of solids mixtures and has a rotor (10), which can rotate about a horizontal axis (24) and is composed of a cylindrical drum (12) and of two conical drums (14, 16). The helical conveyor centrifuge also comprises a screw conveyor (26), which is mounted inside said rotor, rotates about the same axis (24), and has two contra-rotating screws (30, 32). The inventive centrifuge additionally comprises means for axially feeding the solids mixture into the centrifuge and has discharge openings (42, 44), which are situated near the ends of the conical drum walls while being provided for discharging floating material and settled material. A radially inward projecting barrier device (48) for creating a different liquid level (50, 52) for the floating material and the settled material is mounted on the rotor (10).

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