

Title (en)

OUTLET DEVICE OF A SOLID BOWL WORM CENTRIFUGE

Title (de)

AUSLASSVORRICHTUNG EINER VOLLMANTELSCHNECKENZENTRIFUGE

Title (fr)

DISPOSITIF D'ÉVACUATION ET CENTRIFUGEUSE À VIS À BOL PLEIN

Publication

EP 2923769 B1 20200729 (DE)

Application

EP 15157303 A 20150303

Priority

DE 102014104296 A 20140327

Abstract (en)

[origin: US2015273482A1] An outlet device of a solid bowl centrifuge for separating a multi-phase material is arranged on an end wall of a centrifuge bowl that rotates about a longitudinal axis. An outlet opening is formed in the end wall, and has a deflecting apparatus for deflecting in the direction of the end-wall circumference a fluid of the material that has passed through the outlet opening. The deflecting apparatus has a segment that is spaced from the longitudinal axis by a segment radius and that has a deflecting segment, along which the deflected fluid can be conducted toward the end-wall circumference before being laterally thrown off by the outlet device. The outlet device has a guide, by means of which the deflected fluid can be brought to a lower-energy positional potential in the gravitational field of the solid bowl centrifuge before being thrown off by the outlet device.

IPC 8 full level

B04B 1/20 (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

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