

Title (en)

SOLID BOWL SCREW CENTRIFUGE HAVING AN OVERFLOW WEIR

Title (de)

VOLLMANTEL-SCHNECKENZENTRIFUGE MIT ÜBERLAUFWEHR

Title (fr)

CENTRIFUGEUSE À VIS SANS FIN ET À BOL PLEIN AVEC DÉVERSOIR DE DÉBORDEMENT

Publication

EP 2598251 B1 20161102 (DE)

Application

EP 11735650 A 20110725

Priority

- DE 102010032503 A 20100728
- EP 2011062722 W 20110725

Abstract (en)

[origin: WO2012013624A2] The invention relates to a fully jacketed screw centrifuge having at least one outlet for discharging clarified liquid from a drum (3), wherein said outlet comprises at least one or more passages (15) in a drum cover (17), each associated with a weir plate (19), each forming an overflow weir (21) at the radial inner edge thereof, wherein at least one deflecting device (23) is designed at the outside on the drum cover (17), such that an escaping fluid flow is deflected in the circumferential direction and undergoes a twist in the circumferential direction, wherein the at least one deflecting device (23) is designed such that the escaping fluid flow is deflected in the circumferential direction, maintaining the overflow weir (21) at the overflow edge of the at least one weir plate (19), directly in the axial extension of the uncovered region of the penetration opening (15).

IPC 8 full level

B04B 1/20 (2006.01)

CPC (source: EP US)

B04B 1/20 (2013.01 - EP US); **B04B 2001/2075** (2013.01 - EP US); **B04B 2001/2083** (2013.01 - EP US)

Citation (opposition)

Opponent : Flottweg SE

- WO 2010076750 A1 20100708 - ALFA LAVAL CORP AB [SE], et al
- JP H11197547 A 19990727 - KUBOTA KK
- US 5147277 A 19920915 - SHAPIRO ASCHER H [US]

Cited by

DE102014108722A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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