

Title (en)

Solid bowl worm centrifuge with a weir edge

Title (de)

Vollmantelschneckenzenrifuge mit einer Wehrkante

Title (fr)

Centrifugeuse à vis a bol plein dotée d'un bord faisant barrage

Publication

**EP 2659985 B2 20191106 (DE)**

Application

**EP 13178930 A 20110729**

Priority

- EP 13178930 A 20110729
- EP 11006261 A 20110729

Abstract (en)

[origin: EP2551019A1] The solid bowl screw-type centrifuge has a centrifuge drum (10) rotatable around a longitudinal axis. The centrifuge drum has an outlet opening (16) for discharging of clear material from the centrifuge drum by a weir edge (26) and an outlet channel for conveying the entire material. The weir edge is arranged at the front side of the centrifuge drum and the outlet channel extends in flow direction behind the weir edge. The outlet channel has a base surface which is designed partially flat. The flat section of the base surface is inclined radially inward to tangential direction.

IPC 8 full level

**B04B 1/20** (2006.01)

CPC (source: EP)

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

Citation (opposition)

Opponent :

- WO 2010076750 A1 20100708 - ALFA LAVAL CORP AB [SE], et al
- WO 2008138345 A1 20081120 - ALFA LAVAL CORP AB [SE], et al
- JP H11179236 A 19990706 - KUBOTA KK
- JP H11197547 A 19990727 - KUBOTA KK

Cited by

US2011143906A1; US8845506B2; US9908125B2

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)

**EP 2551019 A1 20130130; EP 2551019 B1 20160914; EP 2551019 B2 20191106**; DK 2551019 T3 20161212; DK 2551019 T4 20200203; DK 2659985 T3 20161219; DK 2659985 T4 20200203; EP 2659985 A1 20131106; EP 2659985 B1 20160914; EP 2659985 B2 20191106

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