

Title (en)

Solid bowl centrifuge with drying of solid cake

Title (de)

Vollmantelzentrifuge mit Trocknung des Feststoffkuchens

Title (fr)

Centrifugeuse à bol plein dotée d'un séchage du gâteau de matière sèche

Publication

EP 2484451 A3 20170614 (DE)

Application

EP 12000265 A 20120118

Priority

DE 102011010621 A 20110208

Abstract (en)

[origin: EP2484451A2] The centrifuge (1) has an annular shell chamber (17) axially arranged above a drum cover (6). Connecting openings (19) are provided in the drum cover, and form a fluid channel for fluid or residual fluid (27) from solid cakes (3) to the shell chamber. The solid cakes are isolated at an inner side of a centrifuge drum (5). A residual fluid shell pipe (21) is arranged in the shell chamber. The pipe is designed such that the pipe is activated during a drying operation so that the fluid or the residual fluid from the chamber is drained in a drying operation by the pipe. An independent claim is also included for a method for separating solid-liquid-mixtures in a clear centrifugate and solid cakes by a solid bowl centrifuge.

IPC 8 full level

B04B 11/08 (2006.01)

CPC (source: EP)

B04B 11/08 (2013.01); **B04B 11/082** (2013.01)

Citation (search report)

- [IY] US 5300233 A 19940405 - LEE CHIE-YING [US], et al
- [I] GB 287056 A 19280517 - SHARPLES SPECIALTY CO
- [Y] DE 4104752 A1 19910822 - KRAUSS MAFFEI AG [DE]
- [Y] DE 162276 C

Cited by

EP3570982A4; CN112642594A; IT202000015376A1; CN106669986A; CN108889461A; CN106622685A

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

Designated extension state (EPC)

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DOCDB simple family (publication)

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