

Title (en)
DISCONTINUOUS CENTRIFUGE WITH SCRAPER FOR REMOVING A PRODUCT

Title (de)
DISKONTINUIERLICHE ZENTRIFUGE MIT AUSRÄUMER ZUM AUSRÄUMEN EINES PRODUKTES

Title (fr)
CENTRIFUGEUSE DISCONTINUE AVEC RACLE POUR ENLEVER UN PRODUIT

Publication
EP 2782678 A1 20141001 (DE)

Application
EP 12787749 A 20121120

Priority
• DE 102011119265 A 20111124
• EP 2012073092 W 20121120

Abstract (en)
[origin: WO2013076074A1] A discontinuous centrifuge comprises a rotatable centrifuge drum (10) that includes a driving spindle (11), a jacket (13) and a bottom (15). A hub (30) of the centrifuge drum (10) has multiple arms (31) for indirectly or directly connecting the jacket (13) of the centrifuge drum (10) to the driving spindle (11) of the centrifuge drum (10). A scraper (20) is used for scraping a product (14) off the inner wall of the jacket (13) of the rotatable centrifuge drum (10). The scraper (20) includes an element (22) that can pivot about an axis running parallel to the axis of rotation of the centrifuge drum (10). Said element (22) has a blade which extends along nearly the entire height of the centrifuge drum (10) and is in contact with the product (14) after pivoting. The scraper (20) is designed to be immobile in the vertical direction. The arms (31) of the hub (30) have top surfaces (32) that lie below the bottom (15) of the drum. The scraper (20) is mounted separately from the centrifuge drum (10), which is mounted in an oscillating manner.

IPC 8 full level
B04B 3/00 (2006.01); **B04B 11/05** (2006.01); **B04B 11/08** (2006.01)

CPC (source: EP RU US)
B04B 3/00 (2013.01 - EP RU US); **B04B 9/12** (2013.01 - EP US); **B04B 11/04** (2013.01 - US); **B04B 11/05** (2013.01 - EP US); **B04B 11/08** (2013.01 - EP RU US); **B04B 2011/084** (2013.01 - RU)

Citation (search report)
See references of WO 2013076074A1

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)
DE 102011119265 A1 20130529; DE 102011119265 B4 20180104; BR 112014000710 A2 20170214; CN 103648653 A 20140319; CN 103648653 B 20160629; EP 2782678 A1 20141001; EP 2782678 B1 20170524; MX 2014005894 A 20140605; MX 359160 B 20180918; RU 2014118499 A 20151227; RU 2584531 C2 20160520; US 2014256528 A1 20140911; US 9764337 B2 20170919; WO 2013076074 A1 20130530

DOCDB simple family (application)
DE 102011119265 A 20111124; BR 112014000710 A 20121120; CN 201280033635 A 20121120; EP 12787749 A 20121120; EP 2012073092 W 20121120; MX 2014005894 A 20121120; RU 2014118499 A 20121120; US 201214236102 A 20121120