

Title (en)
CENTRIFUGAL SEPARATOR AND CENTRIFUGAL SEPARATION METHOD

Title (de)
ZENTRIFUGALER ABSCHIEDER UND VERFAHREN ZUR ZENTRIFUGALEN ABSCHIEDUNG

Title (fr)
SÉPARATEUR CENTRIFUGE ET PROCÉDÉ DE SÉPARATION CENTRIFUGE

Publication
EP 3482830 A4 20200101 (EN)

Application
EP 17824092 A 20170628

Priority
• JP 2016133666 A 20160705
• JP 2017023712 W 20170628

Abstract (en)
[origin: EP3482830A1] The present invention provides a centrifugal separator including a cylindrical basket (2) that is configured to rotate about an axis (O) of the basket (2), a pushing plate (7) that is accommodated inside the basket (2), is provided to be rotatable integrally with the basket (2) and movable relatively in an axis (O) direction of the basket (2), and is configured to push a cake, which is filtered by a filtration screen (2a) from a substance to be processed supplied inside the basket (2), to an open end side (2b) of the basket (2), a forward and backward drive unit (11) that is configured to relatively move the pushing plate (7) and the basket (2) by moving one of the pushing plate (7) and the basket (2) forward and backward in the axis (O) direction with respect to the other, and a measuring unit that is configured to measure a pushing load when pushing a cake by the forward and backward drive unit (11). At least one of a relative movement speed between the pushing plate (7) and the basket (2) and a forward and backward stroke of the pushing plate (7) and the basket (2) is controlled according to the pushing load measured by the measuring unit.

IPC 8 full level
B04B 3/02 (2006.01); **B04B 11/04** (2006.01); **B04B 15/06** (2006.01)

CPC (source: EP KR)
B04B 3/02 (2013.01 - EP KR); **B04B 11/043** (2013.01 - EP); **B04B 15/06** (2013.01 - KR)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2018008486A1

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 3482830 A1 20190515; EP 3482830 A4 20200101; CN 109070099 A 20181221; CN 109070099 B 20210604; JP 2018001117 A 20180111; JP 6578254 B2 20190918; KR 102325794 B1 20211112; KR 20190026644 A 20190313; TW 201805068 A 20180216; TW I702985 B 20200901; WO 2018008486 A1 20180111

DOCDB simple family (application)
EP 17824092 A 20170628; CN 201780023725 A 20170628; JP 2016133666 A 20160705; JP 2017023712 W 20170628; KR 20187029705 A 20170628; TW 106122087 A 20170630