

Title (en)
SEPARATOR

Title (de)
SEPARATOR

Title (fr)
SÉPARATEUR

Publication
EP 3229970 A1 20171018 (DE)

Application
EP 15804094 A 20151127

Priority
• DE 102014118289 A 20141210
• EP 2015077910 W 20151127

Abstract (en)
[origin: WO2016091617A1] The invention relates to a separator for centrifugally processing a flowable product, comprising at least the following features: a rotatable drum (2), which bounds a centrifuging chamber (15), wherein the drum (2) has a feeding and removal system (27), which has at least one feeding device and one or more removal devices, which are composed of plastic or a plastic composite material. Said separator is characterized in that the drum has an outer supporting device and an inner drum (12) arranged in the outer supporting device, the inner drum is composed of plastic or a plastic composite material, and a means for clarifying the product to be processed in the centrifugal field is arranged in the inner drum (12), wherein the feeding device and the one or more removal devices extend into the inner drum (12) and are designed in such a way that the feeding device and the one or more removal devices do not rotate with the inner drum during operation and are glued and/or welded to each other at one or more points in such a way that the feeding device and the one or more removal devices are connected in a sealed manner, wherein the feeding and removal system (27) has one or two or more grippers (29, 30) as the removal device, each of which one or two or more grippers has a disk segment (29a, 30a) and a shaft segment (29b, 30b).

IPC 8 full level
B04B 1/08 (2006.01); **B04B 7/08** (2006.01); **B04B 11/02** (2006.01)

CPC (source: CN EP US)
B04B 1/08 (2013.01 - CN EP US); **B04B 7/00** (2013.01 - CN); **B04B 7/08** (2013.01 - CN EP US); **B04B 11/00** (2013.01 - CN); **B04B 11/02** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2016091617A1

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)
BA ME

DOCDB simple family (publication)
WO 2016091617 A1 20160616; CN 106999956 A 20170801; CN 106999956 B 20190621; DE 102014118289 A1 20160616; EP 3229970 A1 20171018; EP 3229970 B1 20190130; JP 2017537790 A 20171221; JP 6726202 B2 20200722; TR 201905262 T4 20190521; US 10780445 B2 20200922; US 2017333915 A1 20171123

DOCDB simple family (application)
EP 2015077910 W 20151127; CN 201580067036 A 20151127; DE 102014118289 A 20141210; EP 15804094 A 20151127; JP 2017549585 A 20151127; TR 201905262 T 20151127; US 201515532683 A 20151127