Title (en)

SEPARATOR

Title (de)

SEPARATOR

Title (fr)

SÉPARATEUR

Publication

EP 3426405 B1 20200422 (DE)

Application

EP 17705880 A 20170217

Priority

- DE 202016101272 U 20160308
- EP 2017053624 W 20170217

Abstract (en)

[origin: WO2017153150A1] The invention relates to a separator having a rotating system having a) a drum that is rotatable during operation and that has a vertical rotation axis (D), b) which has a drum interior chamber (20), c) which is divided into a bottom double-tapered centrifuge chamber (21) and a top double-tapered centrifuge chamber (22), d) wherein the two centrifuge chambers (21, 22) each have solids discharge openings (34, 35), which can be exposed and sealed in the bottom centrifuge chamber (21) by a piston valve (26) and in the top centrifuge chamber (22) by an auxiliary slide (27), wherein e) the mass moment of inertia (JQ) of the rotating system (1) about a transverse axis (Q) extending through the center of gravity (S) of the rotating system of the drum (1), perpendicular to the vertical rotation axis (D), is greater than the mass moment of inertia (JD) of the rotating system (1) about the vertical rotation axis (D) of the rotating system.

IPC 8 full level

B04B 1/08 (2006.01); **B04B 1/10** (2006.01); **B04B 1/14** (2006.01); **B04B 7/08** (2006.01)

CPC (source: EP US)

B04B 1/08 (2013.01 - EP US); **B04B 1/14** (2013.01 - EP US); **B04B 7/04** (2013.01 - US); **B04B 7/08** (2013.01 - EP US)

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 202016101272 U1 20170609; CN 108778516 A 20181109; CN 108778516 B 20210330; EP 3426405 A1 20190116; EP 3426405 B1 20200422; JP 2019507680 A 20190322; JP 6868638 B2 20210512; US 10894259 B2 20210119; US 2019046996 A1 20190214; WO 2017153150 A1 20170914

DOCDB simple family (application)

DE 202016101272 U 20160308; CN 201780015776 A 20170217; EP 17705880 A 20170217; EP 2017053624 W 20170217; JP 2018547480 A 20170217; US 201716078886 A 20170217