

Title (en)
SEPARATOR HAVING DIRECT DRIVE

Title (de)
SEPARATOR MIT DIREKTANTRIEB

Title (fr)
SÉPARATEUR DOTÉ D'UN ENTRAÎNEMENT DIRECT

Publication
EP 3645169 A1 20200506 (DE)

Application
EP 18735267 A 20180628

Priority
• DE 102017114649 A 20170630
• EP 2018067347 W 20180628

Abstract (en)
[origin: WO2019002429A1] The invention relates to a separator (1), comprising a preassembled drive and rotation system unit (100) having an outer ring flange portion (100a) and comprising a drive frame (1) having an inner ring flange (11a), wherein the outer ring flange portion (100a) of the preassembled drive and rotation system unit (100) is vertically connected to the inner ring flange (11a) of the drive frame (110), a rotatable drum (2) is placed onto the preassembled drive and rotation system unit (100), in the drum (2) at least one paring disk (17) is arranged in a paring chamber (22), and one or more stacks each having one or more stackable intermediate elements (16) are arranged between the inner ring flange (11) and the outer ring flange portion (11a) in order to set an axial relative position at least between the drive frame (11) and the drive and rotation system unit (100).

IPC 8 full level
B04B 7/02 (2006.01); **B04B 9/04** (2006.01); **B04B 9/12** (2006.01); **B04B 11/08** (2006.01)

CPC (source: EP US)
B04B 7/02 (2013.01 - EP); **B04B 9/04** (2013.01 - EP); **B04B 9/12** (2013.01 - EP US); **B04B 11/082** (2013.01 - EP US); **B04B 1/08** (2013.01 - US); **B04B 7/02** (2013.01 - US); **B04B 9/04** (2013.01 - US); **B04B 11/02** (2013.01 - US); **B04B 2001/2083** (2013.01 - US); **B04B 2005/125** (2013.01 - US)

Citation (search report)
See references of WO 2019002429A1

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 2019002429 A1 20190103; DE 102017114649 A1 20190103; DK 3645169 T3 20211004; EP 3645169 A1 20200506; EP 3645169 B1 20210804; ES 2894127 T3 20220211; JP 2020525272 A 20200827; JP 7102449 B2 20220719; US 11660616 B2 20230530; US 2020156085 A1 20200521

DOCDB simple family (application)
EP 2018067347 W 20180628; DE 102017114649 A 20170630; DK 18735267 T 20180628; EP 18735267 A 20180628; ES 18735267 T 20180628; JP 2019572477 A 20180628; US 201816625108 A 20180628