

Title (en)

DRIVE DEVICE IN A HELICAL CONVEYOR CENTRIFUGE

Title (de)

ANTRIEBSVORRICHTUNG IN EINER SCHNECKENZENTRIFUGE

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT DANS UNE CENTRIFUGEUSE À VIS

Publication

**EP 2525916 B1 20150121 (DE)**

Application

**EP 11730245 A 20110614**

Priority

- DE 102010037488 A 20100913
- EP 2011059815 W 20110614

Abstract (en)

[origin: CA2810450A1] The drive device is used for a helical conveyor centrifuge having a revolving barrel (12) and a screw (16) mounted coaxially therein, and also having a drive motor (18) associated with the barrel (12) and a screw motor (28) that is coupled to the screw shaft (38) via a gear mechanism (36), the housing (40) of which is non-rotatably connected to the barrel drive shaft (24). According to the invention, the housing (40) of the gear mechanism (36) for driving the screw (16) is rotatably mounted in a stationary housing (44) and has a hollow output shaft (50) that is connected via a coupling (52) to the hollow barrel drive shaft (24).

IPC 8 full level

**B04B 1/20** (2006.01)

CPC (source: EP US)

**B04B 1/2016** (2013.01 - EP US); **B04B 9/00** (2013.01 - 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 102011051037 A1 20120315**; BR 112013005351 A2 20160830; CA 2810450 A1 20120322; CN 103221140 A 20130724; CN 103221140 B 20150520; DK 2525916 T3 20150302; EP 2525916 A2 20121128; EP 2525916 B1 20150121; ES 2532538 T3 20150327; JP 2013537102 A 20130930; JP 5858546 B2 20160210; PT 2525916 E 20160107; RU 2013116897 A 20141020; RU 2544703 C2 20150320; SI 2525916 T1 20150529; US 2013231235 A1 20130905; US 8808154 B2 20140819; WO 2012034722 A2 20120322; WO 2012034722 A3 20120518

DOCDB simple family (application)

**DE 102011051037 A 20110614**; BR 112013005351 A 20110614; CA 2810450 A 20110614; CN 201180044014 A 20110614; DK 11730245 T 20110614; EP 11730245 A 20110614; EP 2011059815 W 20110614; ES 11730245 T 20110614; JP 2013527506 A 20110614; PT 11730245 T 20110614; RU 2013116897 A 20110614; SI 201130457 T 20110614; US 201113818592 A 20110614