

Title (en)

DRIVE APPARATUS FOR A SEPARATOR ARRANGEMENT

Title (de)

ANTRIEBSVORRICHTUNG FÜR EINE SEPARATORANORDNUNG

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT POUR UN ENSEMBLE SÉPARATEUR

Publication

EP 2852466 B1 20190424 (DE)

Application

EP 13724561 A 20130515

Priority

- DE 102012104411 A 20120522
- EP 2013060083 W 20130515

Abstract (en)

[origin: WO2013174701A2] Drive apparatus for a separator drum having a vertical rotation axis (D) and an inflow line for a material which is to be processed by centrifuging, wherein a drive spindle (2) for the centrifuge drum is provided, it being possible for said drive spindle to be rotated by means of a motor (20, 21) which is designed as a direct drive and has a stator (21) and a rotor (20), wherein the drive apparatus is arranged in a drive housing (4) which has a motor housing section (16) which is designed in the form of an explosion-protected structure that is encapsulated in a pressure-resistant manner and in which the motor comprising the stator (20) and the rotor (21) is accommodated.

IPC 8 full level

B04B 9/04 (2006.01); **B04B 9/12** (2006.01); **B04B 15/00** (2006.01)

CPC (source: EP US)

B04B 7/06 (2013.01 - EP US); **B04B 9/00** (2013.01 - US); **B04B 9/04** (2013.01 - EP US); **B04B 9/12** (2013.01 - EP US); **B04B 15/00** (2013.01 - US)

Citation (examination)

- US 4104551 A 19780801 - BLANK WILHELM, et al
- WO 2010105742 A2 20100923 - SEW EURODRIVE GMBH & CO [DE], et al

Citation (opposition)

Opponent : Alfa Laval Corporate AB

- DE 102008059335 A1 20090618 - GEA WESTFALIA SEPARATOR GMBH [DE]
- DE 202011002408 U1 20120507 - EBM PAPST MULFINGEN GMBH & CO [DE]
- EP 2040355 A2 20090325 - LUTZ PUMPEN GMBH [DE]
- EP 2181770 A1 20100505 - FERRUM AG [CH]
- US 4104551 A 19780801 - BLANK WILHELM, et al
- WO 2010105742 A2 20100923 - SEW EURODRIVE GMBH & CO [DE], et al
- CN 102290941 A 20111221
- ANONYMOUS: "Eksplorative atmosfærer- Del 1: Beskyttelse af udstyr med flammesikre kapslinger "d" (DS/EN 60079-1) / Explosive atmospheres- Part 1: Equipment protection by flameproof enclosures "d" (IEC 60079-1:2007) - English version", DANSK STANDARD, July 2007 (2007-07-01), pages 82pp, XP055675572

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102013105006 A1 20131128; AU 2013265479 A1 20141127; AU 2013265479 B2 20171214; BR 112014028789 A2 20170627; BR 112014028789 B1 20210914; CN 104703705 A 20150610; EP 2852466 A2 20150401; EP 2852466 B1 20190424; KR 102107259 B1 20200506; KR 20150015513 A 20150210; US 10155231 B2 20181218; US 2015141231 A1 20150521; WO 2013174701 A2 20131128; WO 2013174701 A3 20150416

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