

Title (en)
SEALING DEVICE OF DRIVING SECTION

Title (de)
DICHTUNGSVORRICHTUNG FÜR ANTRIEBSTEIL

Title (fr)
DISPOSITIF D'ÉTANCHÉITÉ DE SECTION D'ENTRAÎNEMENT

Publication
EP 2787091 B1 20170726 (EN)

Application
EP 12853778 A 20121127

Priority
• KR 20110124863 A 20111128
• KR 2012010109 W 20121127

Abstract (en)
[origin: EP2787091A1] There is provided a sealing device for sealing a structure in which a driving part (shaft) is inserted. The sealing device includes: a structure mounting member mounted on a structure, the driving part being inserted into the structure mounting member; a driving part fixing member disposed on the structure mounting member for sealing the driving part inserted therein, the driving part being fixed to the driving part fixing member; and a rotation absorbing part provided between the driving part fixing member and the structure mounting member for not transmitting rotation through a relational structure. The sealing device may effectively seal a bin or hopper in which a driving shaft of a screw feeder is inserted while absorbing operational vibration (shaking) and suppressing abrasion by absorbing rotations of the driving shaft and maintaining sealing.

IPC 8 full level
C22B 1/16 (2006.01); **F27B 21/08** (2006.01)

CPC (source: EP KR)
C21B 13/0013 (2013.01 - EP); **C21B 13/0046** (2013.01 - EP); **C21B 13/0066** (2013.01 - EP); **C21B 13/0086** (2013.01 - EP);
C21B 13/143 (2013.01 - EP); **C22B 1/16** (2013.01 - KR); **F27B 19/00** (2013.01 - KR); **F27D 3/08** (2013.01 - EP); **F27D 99/00** (2013.01 - EP);
F27D 99/0073 (2013.01 - EP)

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)
EP 2787091 A1 20141008; **EP 2787091 A4 20150805**; **EP 2787091 B1 20170726**; CN 103975083 A 20140806; CN 103975083 B 20160406;
KR 101304791 B1 20130905; KR 20130058876 A 20130605; WO 2013081350 A1 20130606

DOCDB simple family (application)
EP 12853778 A 20121127; CN 201280058579 A 20121127; KR 20110124863 A 20111128; KR 2012010109 W 20121127