

Title (en)

Gear pump with a sealing assembly

Title (de)

Zahnradpumpe mit einer Dichtungsanordnung

Title (fr)

Pompe à engrenages avec un ensemble d'étanchéité

Publication

EP 2871363 B1 20201007 (DE)

Application

EP 13191707 A 20131106

Priority

EP 13191707 A 20131106

Abstract (en)

[origin: CN104632614A] The invention relates to a sealing assembly, a conveyor with the sealing assembly, and a method for operating said sealing assembly. The sealing assembly (1) for conveyors, particularly for gear pumps, in which an inner space (7) with respect to an outer space (6) is sealed is provided. The seal assembly (1) comprises at least two sealed parts (2, 3) each having a sealing surface (15, 16), and wherein a recess (9) is present in at least one of the sealing surfaces (15, 16), is characterized in that a sealing element (4) is present, which fills the recess (9) partially, so that a cavity (5) consist in the recess (9) remains in that the recess (9) is connected via a feed channel to a source of flushing medium, that the recess (9) is connected via a discharge channel (12) and that the cavity (5) is at least partially active with flushing medium.

IPC 8 full level

F04C 15/00 (2006.01); **F04C 2/14** (2006.01)

CPC (source: CN EP)

F04C 15/0034 (2013.01 - CN EP); **F04C 2/14** (2013.01 - CN 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 2871363 A1 20150513; **EP 2871363 B1 20201007**; CN 104632614 A 20150520; CN 104632614 B 20180914

DOCDB simple family (application)

EP 13191707 A 20131106; CN 201410558029 A 20141020