

Title (en)

ROTARY PUMP HAVING LUBRICATING GROOVE IN SEALING BAR

Title (de)

ROTATIONSPUMPE MIT SCHMIERNUT IM DICHTSTEG

Title (fr)

POMPE ROTATIVE COMPRENANT UNE RAINURE DE GRAISSAGE DANS UNE NERVURE D'ÉTANCHÉITÉ

Publication

**EP 3236074 B1 20240131 (DE)**

Application

**EP 17167286 A 20170420**

Priority

DE 102016107447 A 20160421

Abstract (en)

[origin: US2017306950A1] A rotary pump with a rotational direction which can be switched, including: a housing which has a pump space featuring an inlet into a low-pressure region of the pump space for a medium to be pumped and an outlet out of a high-pressure region of the pump space for the medium to be pumped; at least one rotor; at least one bearing for the at least one rotor; at least one sealing stay which axially faces the rotor and separates the low-pressure region from the high-pressure region in the rotational direction of the rotor; and a lubricant feed which feeds a lubricant from the pump space to at least the bearing, wherein the lubricant feed is formed in the sealing stay.

IPC 8 full level

**F04C 2/10** (2006.01); **F04C 2/30** (2006.01); **F04C 15/00** (2006.01)

CPC (source: CN EP US)

**F04C 2/086** (2013.01 - US); **F04C 2/10** (2013.01 - EP US); **F04C 2/30** (2013.01 - EP US); **F04C 15/0088** (2013.01 - CN EP US)

Citation (examination)

- CN 203570583 U 20140430 - NINGBO BUCHER MAOXIN HYDRAULIC TECHNOLOGY CO LTD
- US 2005064976 A1 20050324 - MANO YASUNORI [JP], et al

Cited by

CN114135384A

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 3236074 A1 20171025; EP 3236074 B1 20240131**; CN 107304765 A 20171031; CN 107304765 B 20200922;  
DE 102016107447 A1 20171109; US 10578101 B2 20200303; US 2017306950 A1 20171026

DOCDB simple family (application)

**EP 17167286 A 20170420**; CN 201710266831 A 20170421; DE 102016107447 A 20160421; US 201715490104 A 20170418