

Title (en)
CENTRIFUGAL PUMP FOR CONVEYING A FLUID

Title (de)
ZENTRIFUGALPUMPE ZUM FÖRDERN EINES FLUIDS

Title (fr)
POMPE CENTRIFUGE DESTINÉE À ACHEMINER UN FLUIDE

Publication
EP 3299626 B1 20200819 (DE)

Application
EP 17190755 A 20170913

Priority
EP 16190413 A 20160923

Abstract (en)
[origin: CA2978979A1] A centrifugal pump for conveying a fluid is proposed, with a housing (2), having an inlet (3) and an outlet (4) for the fluid, with an impeller (5) arranged in the housing (2) for rotation in an axial direction (A) in order to convey the fluid from the inlet (3) to the outlet (4), with a shaft (6) extending in the axial direction (A) for driving the impeller (5), as well as with a stationary guide device (7) for guiding the fluid from the impeller (5) to the outlet (4), which guide device (7) is connected to the housing (2), wherein a resilient compensating element (10) is provided between the housing (2) and the guide device (7), which compensating element is arranged around the shaft (6) and which can hold the guide device (7) in a centered position to the impeller (5) during a radial relative movement to the housing (2).

IPC 8 full level
F04D 7/06 (2006.01); **F04D 29/44** (2006.01)

CPC (source: CN EP KR RU US)
F04D 1/00 (2013.01 - US); **F04D 7/06** (2013.01 - EP RU US); **F04D 29/007** (2013.01 - CN); **F04D 29/2222** (2013.01 - KR); **F04D 29/24** (2013.01 - KR); **F04D 29/426** (2013.01 - US); **F04D 29/445** (2013.01 - RU US); **F04D 29/448** (2013.01 - EP US); **F04D 29/466** (2013.01 - CN); **F04D 29/628** (2013.01 - US); **F04D 7/02** (2013.01 - CN); **F04D 7/06** (2013.01 - CN); **F04D 13/0606** (2013.01 - US); **F04D 29/043** (2013.01 - US); **F04D 29/22** (2013.01 - US); **F05D 2230/642** (2013.01 - EP US); **F05D 2260/30** (2013.01 - CN); **F05D 2260/38** (2013.01 - EP US); **F05D 2300/50212** (2013.01 - CN EP US)

Cited by
US11353043B2

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 3299626 A1 20180328; EP 3299626 B1 20200819; AU 2017232183 A1 20180412; AU 2017232183 B2 20221013; BR 102017020099 A2 20180502; CA 2978979 A1 20180323; CN 107869477 A 20180403; CN 107869477 B 20210806; KR 102423441 B1 20220720; KR 20180033099 A 20180402; MX 2017011755 A 20180925; RU 2017133096 A 20190322; RU 2017133096 A3 20201016; RU 2737931 C2 20201207; SG 10201707225U A 20180427; US 11353043 B2 20220607; US 2018087532 A1 20180329

DOCDB simple family (application)
EP 17190755 A 20170913; AU 2017232183 A 20170922; BR 102017020099 A 20170920; CA 2978979 A 20170912; CN 201710866083 A 20170922; KR 20170122418 A 20170922; MX 2017011755 A 20170913; RU 2017133096 A 20170922; SG 10201707225U A 20170906; US 201715699404 A 20170908