

Title (en)
Pump casing

Title (de)
Pumpengehäuse

Title (fr)
Boîtier de pompe

Publication
EP 2626567 B1 20160713 (DE)

Application
EP 12154493 A 20120208

Priority
EP 12154493 A 20120208

Abstract (en)
[origin: EP2626567A1] The housing has a suction channel (14) led into a chamber (15) for arrangement of a gyro wheel rotated at a rotational axis (5). The suction channel has helical rotating channels (16) opened to the chamber and led into a pressure channel. A sensor channel (22) connects a retainer (20) in a form of hole for a differential pressure sensor, with a suction-side interior of the housing. Another sensor channel (23) connects the retainer with a discharge side interior of the housing. The retainer is arranged between the helical rotating channels and the suction channel.

IPC 8 full level
F04D 15/00 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP US)
F04D 1/00 (2013.01 - US); **F04D 15/0088** (2013.01 - EP US); **F04D 29/426** (2013.01 - EP US); **F04D 29/428** (2013.01 - US)

Citation (opposition)
Opponent : **WILO SE**,
• DE 19647967 A1 19980528 - WILO GMBH [DE]
• EP 1413769 A1 20040428 - WILO AG [DE]
• EP 0774583 A1 19970521 - GRUNDFOS AS [DK]
• DE 29717937 U1 19971127 - GRUNDFOS AS [DK]
• EP 1698877 A1 20060906 - GRUNDFOS MANAGEMENT AS [DK]

Cited by
EP3315783A1; RU2739933C2; US10480517B2; WO2016087256A1; US10288457B2; WO2016087063A1; US10184812B2

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 2626567 A1 20130814; EP 2626567 B1 20160713; EP 2626567 B2 20191016; CN 104114873 A 20141022; CN 104114873 B 20160817; US 2015016980 A1 20150115; US 9863436 B2 20180109; WO 2013117402 A1 20130815

DOCDB simple family (application)
EP 12154493 A 20120208; CN 201380008576 A 20130117; EP 2013050861 W 20130117; US 201314377282 A 20130117