

Title (en)
Circulation pump with spiral housing

Title (de)
Kreiselpumpe mit Spiralgehäuse

Title (fr)
Pompe centrifuge dotée d'un boîtier à spirales

Publication
EP 2546525 B1 20170329 (DE)

Application
EP 11005738 A 20110713

Priority
EP 11005738 A 20110713

Abstract (en)
[origin: EP2546525A1] The rotary pump (2) has pump casing (4) that encloses a flow space (10) to connect intake opening (6) and discharge opening (8). An impeller wheel (12) is provided in flow space and configured to be driven in rotation. An expansion structure (14) is fluidically connected to flow space. A spiral casing (16) is provided surrounding an outer circumference of the impeller wheel in a mounted position in the pump housing. The spiral casing is a single-portion or multi-portion shaped component and is configured separately from the pump housing.

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

CPC (source: EP US)
F04D 15/0077 (2013.01 - EP US); **F04D 29/426** (2013.01 - EP US)

Cited by
DE102018217176B4; DE102018217176A1; DE102018217179A1; WO2020074286A1

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 2546525 A1 20130116; EP 2546525 B1 20170329; CN 102954040 A 20130306; CN 102954040 B 20170301; US 2013017077 A1 20130117; US 9222476 B2 20151229

DOCDB simple family (application)
EP 11005738 A 20110713; CN 201210467996 A 20120713; US 201213543842 A 20120708