

Title (en)
PUMP HOUSING HAVING A FASTENING STRUCTURE

Title (de)
PUMPENGEHÄUSE MIT BEFESTIGUNGSSTRUKTUR

Title (fr)
CORPS DE POMPE DOTÉ D'UNE STRUCTURE DE FIXATION

Publication
EP 3317543 B1 20210922 (DE)

Application
EP 15734623 A 20150630

Priority
EP 2015064827 W 20150630

Abstract (en)
[origin: WO2017000990A1] The invention relates to an electric motor-vehicle coolant pump (1), comprising a pump housing (2), which has at least a flow housing part (3) and a separate motor housing part (4), wherein the flow housing part (3) at least partially surrounds a spiral flow channel (30), which has an axial inlet (31) and a tangential outlet (32), and at least partially surrounds a rotatably supported fluid-conveying element (33), and the motor housing part (4) surrounds an electric drive motor (40) for driving the fluid-conveying element (33), wherein the pump housing (2) can be fastened to a vehicle structure (6) by means of a fastening structure (5). In order to simplify the adjustment of coolant pumps in accordance with a vehicle model, on the pump side, according to the invention, the fastening structure (5) is arranged only on the flow housing part (3).

IPC 8 full level
F01P 5/10 (2006.01); **F04D 13/06** (2006.01); **F04D 29/42** (2006.01); **F04D 29/60** (2006.01)

CPC (source: CN EP US)
F01P 5/12 (2013.01 - US); **F04D 13/06** (2013.01 - CN EP US); **F04D 29/406** (2013.01 - US); **F04D 29/426** (2013.01 - CN EP US); **F04D 29/605** (2013.01 - EP US); **F04D 29/628** (2013.01 - CN US); **F04D 29/669** (2013.01 - CN US); **F01P 5/10** (2013.01 - CN EP); **F01P 2005/125** (2013.01 - US); **F04D 29/007** (2013.01 - US); **F04D 29/086** (2013.01 - US)

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)
WO 2017000990 A1 20170105; CN 107667227 A 20180206; CN 107667227 B 20220726; EP 3317543 A1 20180509; EP 3317543 B1 20210922; US 11401950 B2 20220802; US 2018187698 A1 20180705

DOCDB simple family (application)
EP 2015064827 W 20150630; CN 201580080656 A 20150630; EP 15734623 A 20150630; US 201515738123 A 20150630