

Title (en)
PUMP GROUP WITH FIXING ELEMENT

Title (de)
PUMPENGRUPPE MIT BEFESTIGUNGSELEMENT

Title (fr)
GROUPE POMPE COMPRENANT UN ÉLÉMENT DE FIXATION

Publication
EP 3615811 B1 20220323 (EN)

Application
EP 18723060 A 20180416

Priority
• IT 201700045437 A 20170427
• IB 2018052624 W 20180416

Abstract (en)
[origin: WO2018197989A1] A pump group (1) for a cooling system of a vehicle, comprising an impeller (2) rotating about an axis (X-X) and an electric motor (5), having a stator (51) and a rotor (52). The pump group (1) comprises a pump structure (10) which comprises a main body (100) having a motor chamber (150) suitable to house the electric motor (5) and an impeller body (200) suitable to house the impeller (2), attached to the main body (100). The impeller body (200) comprises a first half-shell (210) and a second half-shell (220) defining an impeller chamber (250) in which is housed the impeller (2) wherein the second half-shell (220) comprises a tubular element (225) extending inside the motor chamber (150), dividing it into a stator chamber (151) and a rotor chamber (152). The pump structure (10) also comprises a fixing element (300) which may be snap-locked axially onto the main body (100), fixing the impeller body (200) axially thereto.

IPC 8 full level
F04D 13/06 (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04D 13/0606 (2013.01); **F04D 29/426** (2013.01); **F04D 29/628** (2013.01); **F05D 2260/36** (2013.01)

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 2018197989 A1 20181101; CN 110621883 A 20191227; CN 110621883 B 20210122; EP 3615811 A1 20200304; EP 3615811 B1 20220323; IT 201700045437 A1 20181027

DOCDB simple family (application)
IB 2018052624 W 20180416; CN 201880027721 A 20180416; EP 18723060 A 20180416; IT 201700045437 A 20170427