

Title (en)
COOLING CIRCUIT OF A VEHICLE

Title (de)
FAHRZEUGSKÜHLKREISLAUF

Title (fr)
CIRCUIT DE REFROIDISSEMENT D'UN VEHICULE AUTOMOBILE

Publication
EP 3816446 A1 20210505 (FR)

Application
EP 19206687 A 20191031

Priority
EP 19206687 A 20191031

Abstract (en)
[origin: WO2021086603A1] Cooling circuit (24) for a vehicle, in particular a motor vehicle, this circuit having a pump (26) having at least one rotor that is driven in rotation by a motor (33) and configured to force the circulation of cooling liquid in the circuit, characterized in that the at least one rotor includes at least one driving screw (28) that is driven by the motor, and at least one driven screw (30) that is driven by the at least one driving screw, the driving screw(s) and driven screw(s) being configured to force the circulation of cooling liquid in the circuit.

Abstract (fr)
Circuit de refroidissement (24) pour un véhicule, en particulier automobile, ce circuit comportant une pompe (26) comportant au moins un rotor entraîné en rotation par un moteur (33) et configuré pour forcer la circulation de liquide de refroidissement dans le circuit, caractérisé en ce que ledit au moins un rotor comprend au moins une vis menante (28) entraînée par ledit moteur, et au moins une vis menée (30) entraînée par ladite au moins une vis menante, les vis menante(s) et menée(s) étant configurées pour forcer la circulation de liquide de refroidissement dans le circuit.

IPC 8 full level
F04C 2/16 (2006.01); **F01P 5/12** (2006.01)

CPC (source: CN EP US)
F01P 5/12 (2013.01 - CN EP US); **F04C 2/08** (2013.01 - US); **F04C 2/16** (2013.01 - US); **F04C 2/165** (2013.01 - CN EP); **F04C 14/28** (2013.01 - US); **F04C 15/0061** (2013.01 - US); **F01P 2005/125** (2013.01 - CN EP); **F04C 2240/40** (2013.01 - CN EP); **F04C 2240/81** (2013.01 - US); **F04C 2240/811** (2013.01 - US); **F04C 2270/195** (2013.01 - US); **F04C 2270/86** (2013.01 - US)

Citation (search report)

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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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3816446 A1 20210505; CN 114585805 A 20220603; US 2022381178 A1 20221201; WO 2021086603 A1 20210506

DOCDB simple family (application)
EP 19206687 A 20191031; CN 202080074390 A 20201014; US 2020055467 W 20201014; US 202017772078 A 20201014