

Title (en)

METHOD FOR COOLING AND/OR HEATING A BODY OR A FLUID IN A MOTOR VEHICLE

Title (de)

VERFAHREN ZUM KÜHLEN UND/ODER ERWÄRMEN EINES KÖRPERS ODER EINES FLUIDS IN EINEM KRAFTFAHRZEUG

Title (fr)

PROCEDE DE REFROIDISSEMENT ET/OU DE CHAUFFAGE D'UN CORPS OU D'UN FLUIDE DANS UN VEHICULE AUTOMOBILE

Publication

**EP 3775715 A1 20210217 (FR)**

Application

**EP 19722937 A 20190411**

Priority

- FR 1853272 A 20180413
- FR 2019050857 W 20190411

Abstract (en)

[origin: WO2019197783A1] The invention relates to a method for cooling and/or heating a body or a fluid in a motor vehicle using a system comprising a steam compression circuit in which flows a first heat transfer composition and a secondary circuit in which flows a second heat transfer composition. The invention also relates to an installation for cooling and/or heating a body or a fluid in a motor vehicle, and to a use for cooling and/or heating a body or a fluid in a motor vehicle, to a heat transfer composition comprising one or more heat transfer compounds having a boiling point between 0 and 40°C, chosen from among the hydrochlorofluoroolefins, the hydrofluoroolefins and combinations thereof.

IPC 8 full level

**B60H 1/00** (2006.01); **F25B 7/00** (2006.01)

CPC (source: EP US)

**B60H 1/00278** (2013.01 - EP); **B60H 1/00392** (2013.01 - EP); **B60H 1/22** (2013.01 - EP); **B60H 1/32281** (2019.04 - EP US);  
**C09K 5/045** (2013.01 - US); **C09K 5/048** (2013.01 - US); **F25B 7/00** (2013.01 - EP); **B60H 2001/00307** (2013.01 - EP);  
**C09K 2205/126** (2013.01 - US); **C09K 2205/24** (2013.01 - US)

Citation (search report)

See references of WO 2019197783A1

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)

**WO 2019197783 A1 20191017**; CN 111727350 A 20200929; EP 3775715 A1 20210217; FR 3080169 A1 20191018; FR 3080169 B1 20201218;  
JP 2021517955 A 20210729; US 2021046802 A1 20210218

DOCDB simple family (application)

**FR 2019050857 W 20190411**; CN 201980013244 A 20190411; EP 19722937 A 20190411; FR 1853272 A 20180413;  
JP 2020537470 A 20190411; US 201916965533 A 20190411