

Title (en)  
THERMAL REGULATION FOR ELECTRICAL DEVICES

Title (de)  
WÄRMEREGLUNG FÜR ELEKTRISCHE VORRICHTUNGEN

Title (fr)  
RÉGULATION THERMIQUE D'ÉQUIPEMENTS ÉLECTRIQUES

Publication  
**EP 4093833 A1 20221130 (FR)**

Application  
**EP 20804610 A 20201019**

Priority  
• FR 2000514 A 20200120  
• FR 2020051879 W 20201019

Abstract (en)  
[origin: WO2021148725A1] The invention relates to the use of a heat-transfer composition comprising at least one refrigerant selected from halogenated hydrocarbons, perhalogens, fluorinated ketones, fluorinated ethers and combinations thereof, and at least one dielectric fluid, for cooling a battery of a device such as an electric or hybrid vehicle, the heat-transfer composition having a volume resistivity greater than or equal to 106Ω.cm at 25°C.

IPC 8 full level  
**C09K 5/10** (2006.01); **H01B 3/22** (2006.01)

CPC (source: EP US)  
**C09K 5/044** (2013.01 - US); **C09K 5/10** (2013.01 - EP); **H01M 8/04029** (2013.01 - US); **H01M 10/613** (2015.04 - US); **H01M 10/625** (2015.04 - US); **H01M 10/6569** (2015.04 - US); **H05K 7/20381** (2013.01 - US); **C09K 2205/126** (2013.01 - US); **C09K 2205/24** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2021148725A1

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)  
**FR 3106347 A1 20210723**; **FR 3106347 B1 20230707**; CN 114981381 A 20220830; EP 4093833 A1 20221130; JP 2023510418 A 20230313; US 2023051363 A1 20230216; WO 2021148725 A1 20210729

DOCDB simple family (application)  
**FR 2000514 A 20200120**; CN 202080093882 A 20201019; EP 20804610 A 20201019; FR 2020051879 W 20201019; JP 2022543493 A 20201019; US 202017794016 A 20201019