

Title (en)

TEMPERATURE-CONTROL DEVICE, ELECTRICAL SYSTEM, METHOD FOR REDUCING THE RISK OF A SHORT CIRCUIT ON AN ELECTRICAL COMPONENT, AND MOTOR VEHICLE

Title (de)

TEMPERIERUNGSEINRICHTUNG, ELEKTRISCHES SYSTEM, VERFAHREN ZUR MINDERUNG DER KURZSCHLUSSGEFAHR AN EINER ELEKTRISCHEN KOMPONENTE, SOWIE KRAFTFAHRZEUG

Title (fr)

DISPOSITIF DE THERMORÉGULATION, SYSTÈME ÉLECTRIQUE, PROCÉDÉ DE RÉDUCTION AU MINIMUM DU RISQUE DE COURT-CIRCUIT AU NIVEAU D'UN COMPOSANT ÉLECTRIQUE, ET VÉHICULE AUTOMOBILE

Publication

**EP 2831948 A1 20150204 (DE)**

Application

**EP 13702486 A 20130205**

Priority

- DE 102012204832 A 20120327
- EP 2013052220 W 20130205

Abstract (en)

[origin: WO2013143730A1] The present invention relates to a temperature-control device for controlling the temperature of an electrical component, in particular a lithium-ion battery, having at least one hollow space in which cooling liquid can be or is accommodated, wherein the temperature-control device comprises at least one valve (3), which is flow-connected to the hollow space, for discharging the cooling liquid (9). The invention also relates to an electrical system which has at least a temperature-control device according to the invention and an electrical component (1); and to a method for reducing the risk of a short circuit on an electrical component (1), and to a motor vehicle which has an electrical system according to the invention.

IPC 1-7

**H01M 10/50**

IPC 8 full level

**H01M 10/6568** (2014.01); **H01M 10/625** (2014.01)

CPC (source: EP)

**B60L 58/24** (2019.01); **H01M 10/613** (2015.04); **H01M 10/625** (2015.04); **H01M 10/6568** (2015.04); **H01M 10/615** (2015.04); **H01M 10/6556** (2015.04); **Y02E 60/10** (2013.01); **Y02T 10/70** (2013.01)

Citation (search report)

See references of WO 2013143730A1

Citation (examination)

- US 5040703 A 19910820 - ROARK BRIAN M [US], et al
- EP 2746110 A1 20140625 - HITACHI LTD [JP]

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)

**DE 102012204832 A1 20131002**; EP 2831948 A1 20150204; WO 2013143730 A1 20131003

DOCDB simple family (application)

**DE 102012204832 A 20120327**; EP 13702486 A 20130205; EP 2013052220 W 20130205