

Title (en)

DEVICE FOR THERMAL REGULATION, IN PARTICULAR FOR COOLING

Title (de)

VORRICHTUNG ZUR THERMISCHEN REGELUNG, INSBESONDERE ZUR KÜHLUNG

Title (fr)

DISPOSITIF DE REGULATION THERMIQUE, NOTAMMENT DE REFROIDISSEMENT

Publication

EP 3850290 A1 20210721 (FR)

Application

EP 19786372 A 20190904

Priority

- FR 1858202 A 20180913
- FR 2019052046 W 20190904

Abstract (en)

[origin: WO2020053506A1] The invention relates to a device (10) for thermal regulation, in particular for cooling, for an electrical component capable of giving off heat during the operation thereof, in particular for an electrical energy storage module, said system comprising: - an upper plate (11), - a lower plate (12) assembled with the upper plate to jointly form a plurality of circulation channels (13) for a heat-transfer fluid. In said device, the plates define collecting chambers (40) designed to supply cooling fluid into, or discharge fluid circulating in, the channels, each collecting chamber being assigned to only one of the groups of channels (13).

IPC 8 full level

F28D 1/03 (2006.01); **F28D 21/00** (2006.01); **F28F 3/12** (2006.01); **F28F 9/02** (2006.01); **H01M 10/625** (2014.01); **H01M 10/6556** (2014.01); **H01M 10/6557** (2014.01)

CPC (source: EP)

F28D 1/0341 (2013.01); **F28D 1/035** (2013.01); **F28F 3/12** (2013.01); **F28F 9/0246** (2013.01); **H01M 10/625** (2015.04); **H01M 10/6556** (2015.04); **H01M 10/6557** (2015.04); **F28D 2021/0029** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)

See references of WO 2020053506A1

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 2020053506 A1 20200319; CN 216432588 U 20220503; EP 3850290 A1 20210721; FR 3086048 A1 20200320; FR 3086048 B1 20220701

DOCDB simple family (application)

FR 2019052046 W 20190904; CN 201990001135 U 20190904; EP 19786372 A 20190904; FR 1858202 A 20180913