

Title (en)

DEVICE FOR COOLING AN ELECTRICAL AND/OR ELECTRONIC COMPONENT LIABLE TO RELEASE HEAT DURING OPERATION

Title (de)

VORRICHTUNG ZUR KÜHLUNG EINES ELEKTRISCHEN UND/ODER ELEKTRONISCHEN BAUTEILS, DAS WÄHREND DES BETRIEBS WÄRME ABGEBEN KANN

Title (fr)

DISPOSITIF DE REFROIDISSEMENT D'UN COMPOSANT ÉLECTRIQUE ET/OU ÉLECTRONIQUE SUSCEPTIBLE DE DÉGAGER DE LA CHALEUR EN FONCTIONNEMENT

Publication

**EP 4094552 A1 20221130 (FR)**

Application

**EP 21706639 A 20210121**

Priority

- FR 2000573 A 20200121
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Abstract (en)

[origin: WO2021160948A1] The invention relates to a thermal management device (1) for the thermal management of an electrical and/or electronic component (2) liable to release heat during its operation, said device (1) comprising a casing (3), said casing (3) comprising a main compartment (4) defining at least one housing (5) able to accept said electrical and/or electronic component (2), said housing (5) being designed to receive a dielectric fluid and being delimited by at least one wall (6), characterized in that said wall (6) comprises a partition (7) defining within the housing a first (51) and a second (52) chamber of dielectric fluid, said partition (7) comprising an opening (8) that is arranged in such a way that, when the electrical and/or electronic component (2) is placed in the housing (5), this electrical and/or electronic component extends on both sides of said partition (7) so that this electrical and/or electronic component (2) extends into both of the two chambers (51, 52).

IPC 8 full level

**H05K 7/20** (2006.01); **H01M 10/613** (2014.01); **H01M 10/625** (2014.01); **H01M 10/6567** (2014.01); **H01M 10/6569** (2014.01); **H01M 50/20** (2021.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2021160948A1

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DOCDB simple family (publication)

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