

Title (en)
DEVICE FOR THERMAL REGULATION OF AT LEAST ONE ELECTRICAL COMPONENT

Title (de)
VORRICHTUNG ZUR THERMISCHEN REGELUNG MINDESTENS EINES ELEKTRISCHEN BAUTEILS

Title (fr)
DISPOSITIF DE RÉGULATION THERMIQUE D'AU MOINS UN COMPOSANT ÉLECTRIQUE

Publication
EP 4073872 A1 20221019 (FR)

Application
EP 20845402 A 20201211

Priority
• FR 1914323 A 20191212
• FR 2020052399 W 20201211

Abstract (en)
[origin: WO2021116628A1] Thermal regulation device (3) intended for at least one electrical component (5) whose temperature must be regulated, the thermal regulation device (3) comprising at least a housing (25), a cover lid (27) affixed to said housing (25) and a first circuit (15), configured to allow circulation of a dielectric fluid, the housing (25) comprising at least a plurality of lateral walls (29) delimiting an internal volume (500) of the housing (25) in which at least the electrical component (5) extends, the first circuit (15) comprising at least one dielectric fluid supply duct (49) formed between the housing (25) and the lid (27), at least one of the lateral walls (29) and/or the bottom wall (31) comprising at least one orifice (37) for spraying the dielectric fluid into the internal volume (500), this being fluidically connected at least to the supply duct (49).

IPC 8 full level
H01M 10/60 (2014.01); **H01M 10/6568** (2014.01); **H05K 7/20** (2006.01)

CPC (source: EP US)
H01M 10/613 (2015.04 - EP US); **H01M 10/625** (2015.04 - EP); **H01M 10/6555** (2015.04 - EP); **H01M 10/6556** (2015.04 - US); **H01M 10/6557** (2015.04 - EP); **H01M 10/6567** (2015.04 - EP); **H01M 10/6568** (2015.04 - US); **H01M 10/6569** (2015.04 - EP); **H01M 50/222** (2021.01 - US); **H01M 50/224** (2021.01 - US); **H01M 50/227** (2021.01 - US); **H01M 50/229** (2021.01 - US); **H01M 50/276** (2021.01 - US); **H01M 50/278** (2021.01 - US); **H01M 50/28** (2021.01 - US); **H05K 7/20236** (2013.01 - EP); **H05K 7/20327** (2013.01 - US); **H05K 7/20345** (2013.01 - US); **H01M 2220/20** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
See references of WO 2021116628A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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