

Title (en)  
DEVICE FOR THERMALLY REGULATING AN ELECTRONIC COMPONENT

Title (de)  
VORRICHTUNG ZUR THERMISCHEN REGELUNG EINES ELEKTRONISCHEN BAUTEILS

Title (fr)  
DISPOSITIF DE RÉGULATION THERMIQUE POUR UN COMPOSANT ÉLECTRIQUE

Publication  
**EP 4078720 A1 20221026 (FR)**

Application  
**EP 20842266 A 20201207**

Priority  
• FR 1915327 A 20191220  
• FR 2020052314 W 20201207

Abstract (en)  
[origin: WO2021123554A1] Device (1) for thermally regulating an electrical or electronic component (3, 31) to be temperature-controlled, the electrical or electronic component (3, 31) being capable of giving off heat during operation, the thermal regulation device (1) comprising a housing (27) configured to house the electrical or electronic component (3, 31), a circuit (43) and a device (45) for spraying a dielectric fluid having a phase change temperature such that the fluid can be vaporised upon contact with the electrical or electronic component (3, 31), the housing (27) comprising at least one wall (5) for condensing the dielectric fluid in its vaporised form and an external face (7) and/or an internal face (9) comprising at least reliefs (11) configured to promote condensation of the dielectric fluid in the vaporised state.

IPC 8 full level  
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**Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2021123554A1

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