

Title (en)  
ELECTRICAL DEVICE INCLUDING AN INTEGRATED TEMPERATURE SENSOR

Title (de)  
ELEKTRISCHE VORRICHTUNG MIT INTEGRIERTEM TEMPERATURSENSOR

Title (fr)  
DISPOSITIF ÉLECTRIQUE COMPRENANT UN CAPTEUR DE TEMPÉRATURE INTÉGRÉ

Publication  
**EP 4343151 A1 20240327 (EN)**

Application  
**EP 23194195 A 20230830**

Priority  
EP 22382871 A 20220922

Abstract (en)  
Electrical device (2) comprising a housing (1), a plurality of power contact elements (3) and a ground contact element (4) disposed on the housing (1), the power contact elements (3) and the ground contact element (4) configured for connecting the electrical device (2) to a power supply device (5) and the power contact elements (3) forming a terminal (6) for being connected to the power supply device (5) by a single connector (15). The terminal (6) also includes the ground contact element (4) for contacting the power contact elements (3) and the ground contact element (4) by the single connector (15), and the power contact elements (3) and the ground contact element (4) are formed as respective pins, wherein the power contact elements (3) have equal lengths and the ground contact element (4) is longer than each power contact elements (3); and wherein the single connector (15) contains moreover a temperature sensor (17).

IPC 8 full level  
**F04C 23/00** (2006.01); **H01R 13/00** (2006.01)

CPC (source: EP)  
**F04C 23/008** (2013.01); **H01R 13/652** (2013.01); **H01R 13/6683** (2013.01); **F04C 2240/30** (2013.01); **F04C 2240/803** (2013.01); **H01R 13/533** (2013.01)

Citation (applicant)  
• DE 2725796 A1 19781221 - MASCHF AUGSBURG NUERNBERG AG, et al  
• US 5509786 A 19960423 - MIZUTANI YASUKAZU [JP], et al  
• EP 3952032 A1 20220209 - BSH HAUSGERAETE GMBH [DE]

Citation (search report)  
• [Y] WO 2022175110 A1 20220825 - KSB SE & CO KGAA [DE]  
• [Y] US 2018097316 A1 20180405 - ROSE MARKUS [DE], et al  
• [A] US 2016319824 A1 20161103 - BOUSSEKEY PIERRE [FR], et al  
• [A] US 6028523 A 20000222 - THIBODEAUX LAMAR W [US], et al

Designated contracting state (EPC)  
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