

Title (en)  
ELECTRICAL HEATING DEVICE COMPRISING EARTHING MEANS

Title (de)  
ELEKTRISCHE HEIZVORRICHTUNG MIT ERDUNGSMITTEL

Title (fr)  
DISPOSITIF DE CHAUFFAGE ÉLECTRIQUE AVEC MOYENS DE MISE À LA MASSE

Publication  
**EP 3728960 A1 20201028 (FR)**

Application  
**EP 18833463 A 20181210**

Priority

- FR 1762539 A 20171219
- FR 2018053173 W 20181210

Abstract (en)  
[origin: WO2019122583A1] The invention relates to a heating device (1) for an air-conditioning housing, said heating device (1) comprising a heating body (2) supplied with current for heating an air flow passing through said heating body (2), said heating body (2) comprising heating elements through which said current passes and which are arranged in electrically insulated tubes (4) of the heating elements, said heating elements being controlled via a distribution unit (3), said heating device (1) comprising means for earthing a plurality of metal elements distributed in the heating body (2) and the distribution unit (3). Said heating device (1) is characterised in that said earthing means consist of a single earthing circuit which passes through the heating body (2) and the distribution unit (3) and is formed by arranging said metal elements in series with direct contact between said metal elements.

IPC 8 full level  
**F24H 3/04** (2006.01)

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**B60H 1/00328** (2013.01 - US); **F24H 3/0429** (2013.01 - EP); **F24H 3/0435** (2013.01 - US); **F24H 3/0441** (2013.01 - US); **F24H 3/0447** (2013.01 - US); **F24H 3/0452** (2013.01 - US); **H05B 1/0236** (2013.01 - US); **H05B 3/44** (2013.01 - US); **H05B 2203/02** (2013.01 - EP); **H05B 2203/023** (2013.01 - EP)

Citation (search report)  
See references of WO 2019122583A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**FR 3075552 A1 20190621**; **FR 3075552 B1 20220520**; CN 111566414 A 20200821; CN 111566414 B 20220426; EP 3728960 A1 20201028; US 11578893 B2 20230214; US 2020309409 A1 20201001; US 2023142145 A1 20230511; WO 2019122583 A1 20190627

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