

Title (en)

Electric heater, in particular for a motor vehicle

Title (de)

Elektrische Heizvorrichtung, insbesondere für den Einsatz in Kraftfahrzeugen

Title (fr)

Dispositif de chauffage électrique, en particulier pour véhicule à moteur

Publication

**EP 1691579 A1 20060816 (DE)**

Application

**EP 05012155 A 20050606**

Priority

DE 202005002115 U 20050209

Abstract (en)

The heater has a frame to support a layer structure (2) comprising heat generating units and heat delivering units arranged between the generating units. A control device includes a relay (38) that is retained by the frame for switching the heat generating units. The relay is arranged on a printed circuit board which accommodates extended electrical contact units that are connected with the generating units. An independent claim is also included for a modular system of an electrical heater, comprising a frame.

IPC 8 full level

**H05B 3/50** (2006.01); **B60H 1/22** (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP)

**H05B 1/0236** (2013.01); **H05B 3/50** (2013.01)

Citation (search report)

- [X] EP 1407907 A1 20040414 - BEHR GMBH & CO [DE], et al
- [A] EP 1253807 A2 20021030 - CATEM GMBH & CO KG [DE]
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- [A] EP 1492384 A2 20041229 - BEHR GMBH & CO KG [DE], et al
- [A] DE 10141146 A1 20030313 - VALEO KLIMASYSTEME GMBH [DE]

Cited by

FR3069404A1; EP2109346A1; DE102007029271A1; EP2242327B1; EP2242327B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**DE 202005002115 U1 20060614**; EP 1691579 A1 20060816

DOCDB simple family (application)

**DE 202005002115 U 20050209**; EP 05012155 A 20050606