

Title (en)

Method for manufacturing an electrical heating device and electrical heating device

Title (de)

Verfahren zum Herstellen einer elektrischen Heizvorrichtung sowie elektrischer Heizvorrichtungen

Title (fr)

Procédé de fabrication d'un dispositif de chauffage électrique tout comme dispositif de chauffage électrique

Publication

EP 2017546 B1 20160413 (DE)

Application

EP 07014116 A 20070718

Priority

EP 07014116 A 20070718

Abstract (en)

[origin: EP2017546A1] The method involves holding a heating block in a housing of an electrical heater under pretensioning force of a spring element (96) arranged at height of the heating block in an installation position. Opposite frame openings are formed by the housing, where the heating block is lifted between the openings such that the heating block is enclosed in the housing by a housing part (6). The spring element is placed in a plane containing the heating block for embedding the heating block, while closing of the housing. The element is fixed by applying the pretensioning force. An independent claim is also included for an electric heater with a housing and a heating block.

IPC 8 full level

F24H 3/04 (2006.01); **F24H 9/18** (2006.01)

CPC (source: EP KR US)

F24H 3/0405 (2013.01 - EP KR US); **F24H 3/0429** (2013.01 - EP KR US); **F24H 3/0435** (2013.01 - EP KR US);
F24H 3/0441 (2013.01 - EP KR US); **F24H 3/0447** (2013.01 - EP KR US); **F24H 3/0464** (2013.01 - EP KR US);
F24H 3/0476 (2013.01 - EP KR US); **F24H 9/1872** (2013.01 - EP KR US); **Y10T 29/49002** (2015.01 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2017546 A1 20090121; **EP 2017546 B1 20160413**; CN 101374376 A 20090225; CN 101374376 B 20120530; JP 2009040401 A 20090226;
JP 4880648 B2 20120222; KR 100970032 B1 20100716; KR 20090009133 A 20090122; US 2009026191 A1 20090129;
US 8319158 B2 20121127

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US 17437508 A 20080716