

Title (en)

Electric heater and method for producing same

Title (de)

Elektrische Heizeinrichtung und Verfahren zum Fertigen einer elektrischen Heizeinrichtung

Title (fr)

Dispositif de chauffage électrique et procédé de fabrication d'un dispositif de chauffage électrique

Publication

EP 2355614 B1 20140312 (DE)

Application

EP 11151472 A 20110120

Priority

DE 102010006184 A 20100129

Abstract (en)

[origin: EP2355614A1] The device (10) has a heating element (14) and flanges (36, 38) formed in a tubular housing (12). The flanges are in punctiform contact with U-shaped grooves (30, 32) of the heating element. The heating element includes profile parts (26, 28) for transferring heat of a positive temperature coefficient (PTC) resistor (16) of the heating element to the housing. A length of each flange of the housing is smaller than an axial length of the housing. The profile parts are arranged at a distance from each other in the housing in an axial direction. An independent claim is also included for a method for manufacturing an electrical heating device.

IPC 8 full level

H05B 3/42 (2006.01)

CPC (source: EP US)

H05B 3/42 (2013.01 - EP US); **H05B 2203/02** (2013.01 - EP US); **Y10T 29/49083** (2015.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2355614 A1 20110810; **EP 2355614 B1 20140312**; DE 102010006184 A1 20110804; US 2011186564 A1 20110804; US 8541722 B2 20130924

DOCDB simple family (application)

EP 11151472 A 20110120; DE 102010006184 A 20100129; US 201113016631 A 20110128