

Title (en)  
Electrical heating device

Title (de)  
Elektrische Heizeinrichtung

Title (fr)  
Appareil de chauffage électrique

Publication  
**EP 1414275 B1 20051221 (DE)**

Application  
**EP 03022497 A 20031009**

Priority  
DE 20216509 U 20021022

Abstract (en)  
[origin: US2004104215A1] The electric heating arrangement (1) has a tubular housing (2) in which is provided at least one PTC heating element (20) and at least one pair of metallic heat dissipators (9) between which the at least one heating element (20) is clamped and which for this purpose each comprise a base portion (10) facing the at least one heating element and one or two curved legs (15) projecting from said base portion, which adapt themselves resiliently to the inner surface of the surrounding wall of the housing (2). The invention provides that the legs (15) taper toward their free ends and/or that the base portion (10) is thicker than the legs (15) projecting it.

IPC 1-7  
**H05B 3/42**

IPC 8 full level  
**H05B 3/14** (2006.01); **H05B 3/42** (2006.01); **H05B 3/50** (2006.01)

CPC (source: EP US)  
**H05B 3/14** (2013.01 - EP US); **H05B 3/42** (2013.01 - EP US); **H05B 3/50** (2013.01 - EP US); **H05B 2203/02** (2013.01 - EP US)

Cited by  
DE102010006184A1; DE102017103039B3; EP2355614A1; US8541722B2; US10845089B2; CN111225459A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2004104215 A1 20040603; US 6847017 B2 20050125**; AT E313930 T1 20060115; DE 20216509 U1 20040226; DE 50301979 D1 20060126; EP 1414275 A1 20040428; EP 1414275 B1 20051221

DOCDB simple family (application)  
**US 69132203 A 20031022**; AT 03022497 T 20031009; DE 20216509 U 20021022; DE 50301979 T 20031009; EP 03022497 A 20031009