

Title (en)

Heating device having electrothermal film

Title (de)

Heizvorrichtung versehen mit einer elektrothermischen Folien.

Title (fr)

Dispositif chauffant possédant un film électrothermique.

Publication

**EP 1653780 A1 20060503 (EN)**

Application

**EP 04025381 A 20041026**

Priority

EP 04025381 A 20041026

Abstract (en)

A heating device includes a substrate (1) added with a functional far infrared material, an electrothermal film layer (2) coated on a surface of the substrate (1), and two electrodes (3) mounted on two opposite sides of the electrothermal film layer and each electrically connected to the electrothermal film layer. Thus, the electrothermal film layer co-operates with the functional far infrared material contained in the substrate to produce heat by conduction of the two electrodes so as to heat an object to be heated, thereby simplifying the construction of the heating device, and thereby enhancing the heating efficiency of the heating device.

IPC 8 full level

**H05B 3/26** (2006.01)

CPC (source: EP)

**H05B 3/26** (2013.01); **H05B 2203/011** (2013.01); **H05B 2203/013** (2013.01); **H05B 2203/017** (2013.01); **H05B 2203/032** (2013.01)

Citation (search report)

[A] EP 0741501 A1 19961106 - VORONKOVA ZINAIDA PETROVNA [RU]

Cited by

DE202022002800U1; WO2009065265A1; DE102022134064A1; EP4398680A1

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