

Title (en)

Heating element and household appliance, especially steam pressing iron, using such an element and method for fabricating the steam pressing iron

Title (de)

Heizelement und Haushaltgerät, insbesondere Dampfbügeleisen, mit einem solchen Element und Verfahren zur Herstellung des Dampfbügeleisens

Title (fr)

Élément chauffant et appareil électroménager, notamment fer à repasser à vapeur, comportant un tel élément et procédé d'obtention du fer à repasser

Publication

EP 0891118 B1 20020918 (FR)

Application

EP 98401731 A 19980708

Priority

FR 9708804 A 19970710

Abstract (en)

[origin: EP0891118A1] The heating element comprises a resistance circuit (2) through which an electric current passes and which is in thermal contact with the inner surface of a heat conducting plate (3) or sole plate through electrical insulators. The resistance circuit is a thin layer of material, and the insulators are provided by a ceramic layer (4,4a,4b) with its upper face receiving the resistance circuit and its lower one in contact with the inner surface of the sole plate. The thin layer forming the resistance circuit is made from tin oxide, zinc oxide or an organo-metallic material, applied in droplet or vapour form. The layer is divided into a series of conducting strips lying parallel to one another and distributed so as to cover the whole of the ceramic layer, ensuring a constant surface power. The conducting strips can also be formed by engraving or masking and are linked in series by connectors.

IPC 1-7

H05B 3/26; **D06F 75/24**

IPC 8 full level

D06F 75/24 (2006.01); **H05B 3/26** (2006.01)

CPC (source: EP)

D06F 75/24 (2013.01); **H05B 3/265** (2013.01)

Cited by

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EP 0891118 A1 19990113; **EP 0891118 B1 20020918**; AT E224630 T1 20021015; DE 69807995 D1 20021024; DE 69807995 T2 20030731; ES 2181140 T3 20030216; FR 2766047 A1 19990115; FR 2766047 B1 19990924

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