

Title (en)

Cut-out electric resistance heating element for a domestic electric radiator, manufacturing process and such a radiator.

Title (de)

Ausgeschnittenes Heizwiderstandselement für elektrische Hausheizkörper, Herstellungsverfahren und zugehöriger Heizkörper.

Title (fr)

Élément résistant chauffant découpé pour radiateur électrique domestique, procédé de fabrication et radiateur s'y rapportant.

Publication

EP 0030894 A1 19810624 (FR)

Application

EP 80401776 A 19801210

Priority

FR 7930357 A 19791211

Abstract (en)

1. Cut-out resistance heating element, especially for a domestic electric radiator, comprising a metallic blade (1) in which are formed two series of transverse intercalated slits (2, 3), these two series being displaced respectively on each side of the longitudinal axis of the blade, the slits of each series being extended to the corresponding edge (4, 5) of the blade in order to form an electric conductor of zigzag shape by means of the metallic strips (7, 8) which are located between the slits, this strip being bent along its length between its two edges (4, 5) which are disposed in oppositely-facing relation and substantially parallel to each other, characterized in that, in the curved portion (12) of the blade (1), the conductive strips (7, 8) are bent in some cases (7) inwards and in other cases (8) outwards with respect to the said curved portion (12) in accordance with a predetermined law of alternate sequence.

Abstract (fr)

Élément résistant chauffant, notamment pour radiateur électrique domestique, comprenant, dans un ruban métallique, deux séries de fentes décalées ménageant entre elles des bandes conductrices 7,8 formant un circuit en zigzag. Le ruban est cintré en son milieu de manière que les bords 4,5 s'étendent vis-à-vis l'un de l'autre. Des bandes isolantes 15 sont prévues sur les bords pour assurer la tenue de l'élément et sa fixation sur un radiateur. Dans la partie cintrée, les bandes sont pliées en U alternativement vers l'intérieur et l'extérieur du cintrage. La convection naturelle allant de bas en haut tend à refroidir les bandes isolantes qui sont préservées. Application aux radiateurs électriques domestiques.

IPC 1-7

H05B 3/10; **H05B 3/24**; **F24H 9/18**

IPC 8 full level

F24H 9/18 (2006.01); **H05B 3/10** (2006.01); **H05B 3/24** (2006.01)

CPC (source: EP)

F24H 9/1863 (2013.01); **H05B 3/10** (2013.01); **H05B 3/24** (2013.01)

Citation (search report)

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