

Title (en)

ARRANGEMENT FOR THE THERMALLY INSULATED ACCOMMODATION OF AN ELECTRICAL HELICAL HEATING ELEMENT, IN PARTICULAR FOR A COOKING PLATE HEATED BY RADIATION, THERMALLY INSULATING PLATE THEREFOR AND METHOD FOR ITS MANUFACTURE

Publication

EP 0041203 B2 19880608 (DE)

Application

EP 81103958 A 19810522

Priority

DE 3020326 A 19800529

Abstract (en)

[origin: EP0041203A1] 1. Device for the heat-insulating bedding of an electrical heating spiral, especially for a radiation-heated cooking plate, with a tray (1) for heat-insulating material arranged between the heating spiral (5) and the bottom (4) of the tray (1), which material comprises, on the bottom side, a highly effective insulating layer (9) of finely porous pyrogenic silica aerogel, in particular with mineral fibre reinforcement and/or opacifiers, and a bedding layer (7) for the heating spiral located between the heating spiral (5) and the insulating layer (9), which bedding layer is of different consistency from the insulating layer (9), characterized in that the bedding layer consists of microporous, particulate insulating material produced by flame pyrolysis, the insulating material being hardened by an inorganic binder and preferably also has a mineral fibre reinforcement and/or opacifiers.

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP0057252A3; EP0105968A1; GB2357232A; EP0866642A3; EP1059500A1; WO2015016730A2; US6205648B1; WO9106193A1; EP0189108B1

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