

Title (en)

Flat heating element of small thickness, in particular for cooking oven

Title (de)

Großflächiges Heizelement geringer Dicke, insbesondere Garofenheizelement

Title (fr)

Élément chauffant plat de faible épaisseur, en particulier élément chauffant pour four de cuisson

Publication

EP 1696705 A1 20060830 (DE)

Application

EP 05025515 A 20051123

Priority

DE 102005008903 A 20050226

Abstract (en)

The unit has a pair of dielectric layers (2) that is designed, such that it is distributed on both outer surfaces of a metallic substrate (1) and is not deformed by the heat caused during the burning of the layers. A layer (3) is different from a pair of dielectric layers (4) and is distributed on both sides of the pair of dielectric layers (2). A heating layer (5) is applied on the respective outer dielectric layer (4). An independent claim is also included for a method of manufacturing a large-surface heating unit.

IPC 8 full level

H05B 3/26 (2006.01)

CPC (source: EP)

H05B 3/262 (2013.01)

Citation (applicant)

- US 5932128 A 19990803 - DISHOP STEVEN M [US]
- EP 1107648 A2 20010613 - ELECTROLUX AB [SE]

Citation (search report)

- [XY] US 4713530 A 19871215 - SCHITTENHELM HANS-JOACHIM [DE], et al
- [Y] US 3694627 A 19720926 - BLATCHFORD JOHN K, et al
- [Y] US 4970375 A 19901113 - SCHITTENHELM HANS-JOACHIM [DE], et al
- [A] FR 2803481 A1 20010706 - ACSO AGENCE COMMERCIALE SECOND [FR]

Cited by

BE1019697A3; GB2576895A; GB2576895B; WO2012075548A3

Designated contracting state (EPC)

CH DE FR IT LI SE

DOCDB simple family (publication)

EP 1696705 A1 20060830; EP 1696705 B1 20080213; DE 102005008903 A1 20060831; DE 502005002826 D1 20080327

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