

Title (en)

Fast-fit electric connecting device and use thereof for neutralizing a surplus high-voltage output terminal of an electronic gas lighter for electric household appliances, in particular a cooking range

Title (de)

Elektrische Anschlussvorrichtung mit schneller Montage und deren Verwendung zur Neutralisierung einer überschüssigen Hochspannungsausgangsklemme eines elektronischen Gasanzünders für elektrische Haushaltsgeräte, im Besonderen eines Küchenherdes

Title (fr)

Dispositif de connexion électrique rapide et son utilisation pour neutraliser un excès de terminal de sortie de haute tension d'un allumoir à gaz électronique pour appareils électroménagers, en particulier une plaque de cuisson

Publication

**EP 1873873 A3 20100106 (EN)**

Application

**EP 07111482 A 20070629**

Priority

IT TO20060484 A 20060630

Abstract (en)

[origin: EP1873873A2] A fast-fit electric connection to ground device of a surplus high-voltage output terminal of an electronic gas lighter device (3) intended to be fixed in use against an electrically conducting element (4), typically a cooking range for electric household appliances, consisting of an electrically deformable metallic foil (1) including an asymmetric U-shaped assembly portion (10) adapted to be inserted in a contact carried stack (11) of an electrically non-conducting casing (12) of the gas lighter device, and a working portion defined by an arm (14) which extends askew and cantilevered from a first end (15) of the assembly portion and shaped so as to be adapted to cooperate in use in contact against the electrically conducting element (4); the assembly portion being provided with a slot (16) for the mechanical and electrical coupling with a respective blade terminal (2b) accommodated within said contact carried stack of the gas lighter device and a second end (18), opposite the first, adapted to engage in use an internal side wall (21) of the contact carried stack in consequence of an elastic deformation of the foil (1) consequent to the cooperation in reciprocal contact of said cantilevered arm protruding (14) from the working portion with the electrically conducting element (4).

IPC 8 full level

**F23Q 3/00** (2006.01); **H01R 13/652** (2006.01); **H01R 31/08** (2006.01)

CPC (source: EP)

**F23Q 3/00** (2013.01); **H01R 31/08** (2013.01); **H01R 13/652** (2013.01)

Citation (search report)

- [A] WO 0007263 A1 20000210 - MILLER EUROPE SPA [IT], et al
- [A] WO 8403180 A1 19840816 - APEX ENG CORP [US]
- [DA] EP 1101066 A2 20010523 - MILLER EUROPE SPA [IT]
- [DA] EP 1469255 A1 20041020 - ITW IND COMPONENTS SRL [IT]

Cited by

EP2149754A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1873873 A2 20080102**; **EP 1873873 A3 20100106**; **EP 1873873 B1 20120411**; ES 2384647 T3 20120710; IT TO20060484 A1 20080101; PL 1873873 T3 20120928

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