

Title (en)

Lighting device for household appliances such as ovens.

Title (de)

Elektrische Beleuchtungseinrichtung für Hausgeräte, wie Backöfen.

Title (fr)

Dispositif d'éclairage pour appareils domestiques tels que fours.

Publication

EP 0320875 A2 19890621 (DE)

Application

EP 88120801 A 19881213

Priority

DE 3742509 A 19871215

Abstract (en)

[origin: US4870546A] A lighting device for household appliances such as ovens, includes an electric lamp socket formed of electrically insulating material preventing leakage currents. Contact parts are disposed in the socket. The socket has an access side with a plug-in opening formed therein into which a lamp with a glass bulb, a lamp base of insulating material and contact prongs protruding from the lamp base is to be plugged into contact with the contact parts in a given plug-in direction. An electrically conductive and protectively grounded protective element covers at least the access side of the lamp socket and extends to the vicinity of at least one of the glass bulb and the lamp base. The protective element and the contact parts are spaced apart by a distance being greater than the length of the contact prongs by a required margin of safety, as seen in the given plug-in direction.

Abstract (de)

Zur Erzielung hoher sowie geforderter Berührungssicherheit von elektrischen Leuchten mit in einem Lampensockel einsteckbaren Lampen ist das aus elektrisch isolierendem Material bestehende und Kriechströme ausreichend ausschließende Lampenfassung (2) zumindest auf der Zugriffsseite der Lampenfassung (2) überdeckt mit einem bis in den Nahbereich des Lampenglaskolbens (4) hineinreichendes, elektrisch leitendes und Schutzgeerdetes Schutzschild (13).

IPC 1-7

F21S 1/02; **F21V 25/00**; **H01R 13/44**

IPC 8 full level

F21S 8/00 (2006.01); **F21V 19/00** (2006.01); **F21V 25/00** (2006.01); **F24C 15/00** (2006.01); **H01R 13/44** (2006.01); **H01R 33/09** (2006.01)

CPC (source: EP US)

F21V 19/0005 (2013.01 - EP US); **F21V 25/00** (2013.01 - EP US); **F24C 15/008** (2013.01 - EP US); **H01R 33/09** (2013.01 - EP US); **F21W 2131/307** (2013.01 - EP US); **H01R 13/44** (2013.01 - EP US)

Cited by

EP0543448A1; EP0683367A1; US11843207B2; EP4092837B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0320875 A2 19890621; **EP 0320875 A3 19900516**; **EP 0320875 B1 19940727**; AT E109268 T1 19940815; DE 3742509 A1 19890629; DE 3742509 C2 19920730; DE 3850864 D1 19940901; ES 2056884 T3 19941016; US 4870546 A 19890926; YU 226188 A 19910430; YU 47175 B 19950131

DOCDB simple family (application)

EP 88120801 A 19881213; AT 88120801 T 19881213; DE 3742509 A 19871215; DE 3850864 T 19881213; ES 88120801 T 19881213; US 28501388 A 19881215; YU 226188 A 19881214