

Title (en)  
Electric lamp

Title (de)  
Elektrische Lampe

Title (fr)  
Lampe électrique

Publication  
**EP 0643255 B1 19961023 (DE)**

Application  
**EP 94113510 A 19940830**

Priority  
DE 9313823 U 19930913

Abstract (en)

[origin: CA2131114A1] To provide a strain relief in a base for an electric lamp, adapted for connection to an external electrical energy source by at least one connection cable (6a, 6b) extending through and into the base, the base (2) is formed with a strain relief arrangement which includes a resilient sleeve (11) having an inner wall surrounding the at least one connection cable and, within the base bottom portion (9, 9'), a sleeve reception structure (9a) positioned inwardly of the bottom of the base, which includes a sleeve reception bore (10a, 10b) receiving and surrounding the resilient sleeve (11a, 11b) and exerting circumferentially uniformly, radially inwardly directed forces on the resilient sleeve. This decreases the diameter of the sleeve so that the inner wall thereof engages, clamps and squeezes the deformable insulation of the at least one connection cable and, also, can interengage or interlock therewith. The bottom portion (9) and the top portion (7) of the base are snapped together. The sleeve (11), preferably, is made of plastic, and made circumferentially resilient by forming one or more axial slits, for example in pairs, extending from opposite ends of the sleeve, so that, upon compression for example due to conical surfaces of the sleeve (11) and/or the bore (10), the sleeve will be essentially circumferentially uniformly reduced in diameter and engage on or into the insulation jacket (12) of the connecting cable (6).

[origin: CA2131114A1] . To provide a strain relief in a base for an electric lamp, adapted for connection to an external electrical energy source by at least one connection cable (6a, 6b) extending through and into the base, the base (2) is formed with a strain relief arrangement which includes a resilient sleeve (11) having an inner wall surrounding the at least one connection cable and, within the base bottom portion (9, 9'), a sleeve reception structure (9a) positioned inwardly of the bottom of the base, which includes a sleeve reception bore (10a, 10b) receiving and surrounding the resilient sleeve (11a, 11b) and exerting circumferentially uniformly, radially inwardly directed forces on the resilient sleeve. This decreases the diameter of the sleeve so that the inner wall thereof engages, clamps and squeezes the deformable insulation of the at least one connection cable and, also, can interengage or interlock therewith. The bottom portion (9) and the top portion (7) of the base are snapped together. The sleeve (11), preferably, is made of plastic, and made circumferentially resilient by forming one or more axial slits, for example in pairs, extending from opposite ends of the sleeve, so that, upon compression for example due to conical surfaces of the sleeve (11) and/or the bore (10), the sleeve will be essentially circumferentially uniformly reduced in diameter and engage on or into the insulation jacket (12) of the connecting cable (6).

IPC 1-7  
**F21M 7/00; H01R 13/58**

IPC 8 full level  
**F21V 23/00** (2015.01); **H01J 5/56** (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP KR US)  
**F21K 99/00** (2013.01 - KR); **F21S 41/192** (2017.12 - KR); **F21V 23/00** (2013.01 - EP US); **F21V 27/02** (2013.01 - EP US);  
**H01J 5/56** (2013.01 - EP US); **F21W 2102/00** (2017.12 - KR)

Cited by  
EP0756304A1; US5686783A

Designated contracting state (EPC)  
BE DE FR GB IT NL SE

DOCDB simple family (publication)  
**DE 9313823 U1 19931111**; CA 2131114 A1 19950314; CA 2131114 C 20030225; CN 2221713 Y 19960306; DE 59400891 D1 19961128;  
EP 0643255 A1 19950315; EP 0643255 B1 19961023; HU 456 U 19950328; HU 9400127 V0 19941128; JP 3008963 U 19950328;  
KR 200162258 Y1 19991215; KR 950009398 U 19950419; US 5495138 A 19960227

DOCDB simple family (application)  
**DE 9313823 U 19930913**; CA 2131114 A 19940830; CN 94221396 U 19940910; DE 59400891 T 19940830; EP 94113510 A 19940830;  
HU 9400127 U 19940506; JP 1140694 U 19940913; KR 19940023562 U 19940913; US 30235094 A 19940907