

Title (en)

Snap-on spring clip for ceramic HID lamp

Title (de)

Einschnappbarer Federbügel für eine keramische Entladungslampe hoher Intensität

Title (fr)

Eclisse à encliquetage pour lampe céramique à décharge à haute intensité

Publication

EP 1403905 A2 20040331 (EN)

Application

EP 03021052 A 20030917

Priority

- US 26113702 A 20020930
- US 32438202 A 20021219

Abstract (en)

A spring clip (10) has a base (12) in a first plane and has an aperture (14) centrally located therein. U-shaped projections (16) and (18) are provided on the base (12) and are formed from first and second upstanding walls (20) and (22) and third and fourth walls (24) and (26), at each end of the base (12). A first lip (28) extends orthogonally between the first wall and second wall in a second plane and a second lip (29) extends orthogonally between the third wall and fourth wall, also in the second plane. The second plane is substantially parallel to the first plane but spaced therefrom. Extensions (30) and (32) are formed with the first wall and the third wall and project away from them. The extension are in substantially the same plane as base (12) and at least one flag (34) can be formed with at least one of the extensions. The flags (34) project away from the extensions (32) in a plane transverse to the first and second planes and allow the clips to be attached to a frame

The clip (10) has a base (12) in first plane with a centrally located aperture (14). U-shaped projections (16, 18) are situated at each end of the base, and comprise first and second upstanding walls (20, 22), and third and fourth walls (24, 26) respectively. First lip (28) extends orthogonally between first and second walls in second plane. One extension (30) is formed first or third wall projecting away. Second lip (29) extends between second and third walls in second plane, parallel to first plane. An independent claim is also included for an assembly for a lamp.

IPC 1-7

H01J 61/34; **H01J 61/82**

IPC 8 full level

H01J 5/48 (2006.01); **H01J 5/60** (2006.01); **H01J 61/34** (2006.01); **H01J 61/50** (2006.01); **H01K 1/32** (2006.01); **H01K 1/34** (2006.01); **H01K 1/50** (2006.01); **F21Y 101/00** (2016.01)

CPC (source: EP)

H01J 5/48 (2013.01); **H01J 61/34** (2013.01); **H01J 61/50** (2013.01)

Citation (examination)

- EP 1187175 A2 20020313 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- JP H0765790 A 19950310 - MATSUSHITA ELECTRONICS CORP
- JP H0654191 U 19940722

Cited by

US7851982B2; EP1708229A1; US7375456B2; WO2006035324A3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1403905 A2 20040331; **EP 1403905 A3 20060614**; CN 100480574 C 20090422; CN 1497209 A 20040519; JP 2004127939 A 20040422

DOCDB simple family (application)

EP 03021052 A 20030917; CN 03143493 A 20030930; JP 2003338006 A 20030929