

Title (en)  
HIGH-PRESSURE DISCHARGE LAMP HAVING A CAP AT ONE SIDE

Publication  
**EP 0157357 B1 19890802 (DE)**

Application  
**EP 85103646 A 19850327**

Priority  
DE 3412489 A 19840403

Abstract (en)  
[origin: US4626734A] To reduce the size of the base and a socket therefor of a single-ended, single-based, high-pressure discharge lamp, for example a mercury discharge lamp with halogen and noble gas additives therein, possibly including rare earths, a base (5) has a generally conically shaped portion (8) in the region adjacent the discharge vessel, the discharge vessel being formed with two supply shafts (3, 4) one of which is seated in a recess in the smaller part of the conical portion. The base is formed with a centering stub (9), preferably of rectangular cross section, and extending away from the discharge vessel, the centering stub having a lateral slot (11) within which one of the terminals (12) of the lamp is located. The other terminal is formed by a metal strip (14) carried through the cone surface and terminating laterally of the centering stub (9) at the side remote from the first terminal (12). The socket is formed with two chambers, separated by a rib or wall (19), one chamber receiving the centering stub (9) and having a connector (16) located therein, in form of a leaf spring, engaging within the slot (11) and against the one terminal (12) of the lamp; the second chamber, subdivided by the wall (19), retains the second terminal (17) to engage the end of the contact strip (14) and forming the second terminal (13) of the lamp. The socket as well as the base are made of temperature-resistant ceramic.

IPC 1-7  
**H01J 5/54**; **H01J 61/82**

IPC 8 full level  
**H01J 5/50** (2006.01); **H01J 5/54** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP US)  
**H01J 5/54** (2013.01 - EP US); **H01J 61/827** (2013.01 - EP US)

Cited by  
EP1139375A1; FR2665022A1; US5250872A; EP0321867A3; EP0231935A3; GB2234628A; GB2234628B; EP0856870A1; US6107738A; EP0478078A1; US6570307B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0157357 A2 19851009**; **EP 0157357 A3 19870204**; **EP 0157357 B1 19890802**; DE 3412489 A1 19851003; DE 3572084 D1 19890907; JP H0727751 B2 19950329; JP S60227337 A 19851112; US 4626734 A 19861202

DOCDB simple family (application)  
**EP 85103646 A 19850327**; DE 3412489 A 19840403; DE 3572084 T 19850327; JP 6862385 A 19850402; US 71518585 A 19850322