

Title (en)  
HIGH PRESSURE DISCHARGE LAMP WITH A SOCKET AND FITTING HOLDER

Publication  
**EP 0110054 B1 19861203 (DE)**

Application  
**EP 83109808 A 19830930**

Priority  
DE 3236462 A 19821001

Abstract (en)  
[origin: US4533851A] A halogen-metal vapor lamp (1) with its electrodes coming out of the discharge vessel at opposite ends is provided with a highly insulated socket at one end capable of withstanding 30 kV that may have to be applied for warm ignition of the lamp. Contact pins (9,10) of the socket (11) and connection bushings (22,23) of the support (21) into which the socket plugs in, are provided with collars (15,16;25,26) which lengthen the breakdown path length. The fused seal (7) of the lamp through which the high voltage is applied is cemented in a central opening of the socket body and additionally surrounded in part by a collar (17). The other end of the lamp is connected to the socket by an uninsulated rigid conductor in the form of a metal strip to facilitate the dissipation of heat by radiation. A projecting partition (24) at the bottom of the support (21) separates the voltage supply connection to the connection bushings.

IPC 1-7  
**H01J 61/00**

IPC 8 full level  
**F21V 19/00** (2006.01); **H01J 5/50** (2006.01); **H01J 61/00** (2006.01); **H01J 61/36** (2006.01); **H01J 61/82** (2006.01); **H01R 33/05** (2006.01)

CPC (source: EP US)  
**H01J 5/50** (2013.01 - EP US); **H01J 61/82** (2013.01 - EP US)

Cited by  
EP0321866A3; EP0224954A1; GB2234628A; GB2234628B; DE4128928A1; GB2248149A; GB2248149B; GB2183934A; GB2183934B

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