

Title (en)

Improved in-lead for sodium and metal-halide lamps.

Title (de)

Durchführung für Natrium- und Metallhalogenidlampen.

Title (fr)

Traversée pour lampes à sodium et à halogénures métalliques.

Publication

EP 0271877 A2 19880622 (EN)

Application

EP 87118580 A 19871215

Priority

US 94144286 A 19861215

Abstract (en)

In an arc tube (40) of a high-pressure discharge lamp, there is provided an inlead member (46) disposed in an end aperture (44) of the arc tube. A coiled wire (60) is disposed about the inlead member forming a gasket between the inlead member and the arc tube at the arc tube end aperture. A sealing glass (56) is provided for sealing between the inlead member and the arc tube end wall. The sealing glass is blocked by the coiled wire so that the sealing glass is not exposed to the constituents within the arc tube, whereby deleterious chemical reactions between the constituents of the arc tube fill and the sealing glass are avoided. In some embodiments, the coil wire also protects the inlead from chemical attack by the fill constituents.

IPC 1-7

H01J 61/02; H01J 61/18; H01J 61/22; H01J 61/36

IPC 8 full level

H01J 61/36 (2006.01)

CPC (source: EP)

H01J 61/366 (2013.01)

Cited by

EP1006560A3; EP0639853A1; EP0472100A3; CN100361267C; EP0573880A1; US5446341A; EP0926700A3; US6169366B1; US6407504B1

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

EP 0271877 A2 19880622; EP 0271877 A3 19900704; JP S63160147 A 19880702

DOCDB simple family (application)

EP 87118580 A 19871215; JP 31432087 A 19871214