

Title (en)  
IMPROVED IN-LEAD FOR SODIUM AND METAL-HALIDE LAMPS

Publication  
**EP 0271877 A3 19900704 (EN)**

Application  
**EP 87118580 A 19871215**

Priority  
US 94144286 A 19861215

Abstract (en)  
[origin: EP0271877A2] 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.

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

IPC 8 full level  
**H01J 61/36** (2006.01)

CPC (source: EP)  
**H01J 61/366** (2013.01)

Citation (search report)  
• [YD] US 4560903 A 19851224 - SNEIJERS ANDREAS P E [NL], et al  
• [YP] SU 1224856 A1 19860415 - KHUZMIEVA BELLA KH, et al

Cited by  
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**EP 87118580 A 19871215**; JP 31432087 A 19871214