

Title (en)
HIGH-PRESSURE DISCHARGE LAMP

Publication
EP 0279249 A3 19900829 (DE)

Application
EP 88101262 A 19880128

Priority
DE 8702658 U 19870220

Abstract (en)
[origin: US4837477A] To retain an arc tube (6, 16) in precise position with respect to an optical system (R) within an outer envelope (2, 12), the arc tube is retained at both ends by spiral springs (23) which have a cylindrical portion fitted in a sleeve-like current supply (7, 17) to the arc tube and having a conically expanding portion (25), terminating in an end portion (26) which is welded to a central guide pin (27) fitted and movable within the cylindrical portion (24) of the spring. The guide pin (27) can form part of an internal current supply (FIG. 3: 19) or be secured to an internal current supply lead (FIGS. 1, 2: 9).

IPC 1-7
H01J 61/34

IPC 8 full level
H01J 61/34 (2006.01); **H01J 61/36** (2006.01)

CPC (source: EP US)
H01J 61/34 (2013.01 - EP US)

Citation (search report)
• [X] US 3932781 A 19760113 - VITAL ZOLTAN, et al
• [YD] EP 0066783 A2 19821215 - GTE PROD CORP [US]
• [A] US 3662203 A 19720509 - KUHL BERNHARD, et al
• [A] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 40, 17. März 1981; & JP-A-55 165 568 (TOSHIBA CORP.) 24-12-1980

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 8702658 U1 19870416; DE 3864847 D1 19911024; EP 0279249 A2 19880824; EP 0279249 A3 19900829; EP 0279249 B1 19910918; JP H0665024 B2 19940822; JP S63216262 A 19880908; US 4837477 A 19890606

DOCDB simple family (application)
DE 8702658 U 19870220; DE 3864847 T 19880128; EP 88101262 A 19880128; JP 3543388 A 19880219; US 15291488 A 19880205