

Title (en)

IMPROVED ARC TUBE FOR HIGH PRESSURE METAL VAPOR DISCHARGE LAMP, LAMP INCLUDING SAME, AND METHOD

Publication

**EP 0341749 A3 19910327 (EN)**

Application

**EP 89108640 A 19890512**

Priority

US 19406088 A 19880513

Abstract (en)

[origin: EP0341749A2] An arc tube for a high pressure metal vapor discharge lamp is provided. The arc tube of the present invention comprises a tubular ceramic envelope; a chemical fill within said envelope; a seal button at each end of said envelope; said seal button having an aperture therethrough for receiving a feedthrough member; a feedthrough member having an electrode projecting therefrom passing through said seal button aperture and being oriented such that the electrode projects into said tubular ceramic envelope, said feedthrough member being sealed into said seal button by means of a fritless seal between said seal button and said feedthrough; and sealing frit material sealing said seal buttons into the ends of said tubular ceramic envelope. A method for fabricating the above-described arc tube and high pressure metal vapor discharge lamp including the above-described arc tube is also provided.

IPC 1-7

**H01J 61/36**; **H01J 9/32**

IPC 8 full level

**H01J 9/32** (2006.01); **H01J 61/36** (2006.01)

CPC (source: EP)

**H01J 9/323** (2013.01); **H01J 61/366** (2013.01)

Citation (search report)

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- [Y] FR 2326035 A1 19770422 - PHILIPS NV [NL]
- [YD] US 4713580 A 19871215 - SCHOENE CARL M [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2, no. 47 () 29 March 1978; & JP-A-53 004 384 (HITACHI SEISAKUSHO K. K.) 14 January 1978,
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 293 (E-443)(2349) 4 October 1986; JP-A-61 110 932 (TOSHIBA CORP.) 29 May 1986,

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