

Title (en)

High pressure gas discharge lamps.

Title (de)

Hochdruck-Gasentladungslampen.

Title (fr)

Lampes à décharge dans les gaz à haute pression.

Publication

**EP 0506182 A2 19920930 (EN)**

Application

**EP 92200786 A 19920319**

Priority

US 67693091 A 19910328

Abstract (en)

An improved high pressure gas discharge lamp. The lamp contains a standard arc tube (10) having electrodes (13) disposed at each end. The outer surface of at least one end of the arc tube is coated with a layer (14) of high radiative emissive material such as graphite or carbon. The coating serves to increase the radiative output of the arc tube at its so-called cold spot so as to cool the cold spot. The coating greatly decreases the voltage variation from lamp to lamp and permits manufacture of lamps within tighter voltage tolerances than have hitherto been achieved. <IMAGE>

IPC 1-7

**H01J 61/24**; **H01J 61/35**

IPC 8 full level

**H01J 61/24** (2006.01); **H01J 61/30** (2006.01); **H01J 61/35** (2006.01); **H01J 61/52** (2006.01)

CPC (source: EP)

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Cited by

EP0595399A3; US7728495B2; DE102007045079A1; WO2007082885A1; US7977884B2

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