

## Title (en)

High-pressure mercury vapour discharge lamp.

## Title (de)

Hochdruckquecksilberdampfentladungslampe.

## Title (fr)

Lampe à décharge à vapeur de mercure à haute pression.

## Publication

**EP 0215524 A1 19870325 (EN)**

## Application

**EP 86201561 A 19860910**

## Priority

NL 8502509 A 19850913

## Abstract (en)

High-pressure mercury vapour discharge lamp having a discharge vessel of gas-tight radiation transmitting ceramic material, provided with a filling comprising a rare gas, mercury, sodium halide and thallium halide. The wall load (power consumption divided by the surface area of the outer wall of the discharge vessel) has a value of at least 25 W/cm<sup>2</sup>. The ratio between the effective internal diameter ID of the discharge vessel and the spacing EA between two electrodes has a value in the range of 0.4<ID/EA<=0.9.

## IPC 1-7

**H01J 61/30**; **H01J 61/82**

## IPC 8 full level

**H01J 61/20** (2006.01); **H01J 61/30** (2006.01); **H01J 61/82** (2006.01); **H01J 61/88** (2006.01)

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## Citation (search report)

- [Y] GB 2132011 A 19840627 - PHILIPS NV
- [Y] FR 2089504 A5 19720107 - PHILIPS NV
- [A] FR 2130255 A2 19721103 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH
- [A] TECHNISCH-WISSENSCHAFTLICHE ABHANDLUNGEN DER OSRAM-GESELLSCHAFT, no. 11, 1973, pages 163-175; A. DOBRUSSKIN et al.: "Halogen-Metallampflampen mit Seltenen Erden"

## Cited by

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