

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/cm². 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)

CPC (source: EP)
H01J 61/30 (2013.01); **H01J 61/827** (2013.01)

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-Metallampfen mit Seltenen Erden"

Cited by
WO2008068666A2; WO2011030278A2; US5239232A; EP1193734A4; EP1455382A3; CN103534784A; EP0535311A1; US5363007A; US6031332A; US5698948A; CN1069149C; US6137229A; EP0286247A1; EP0905744A3; US6075314A; US5923127A; EP0887841A3; US5973453A; US5751111A; CN1069148C; US6737808B1; US6137230A; US6147453A; EP0382516A3; EP3120374A4; WO9905700A1; WO9742650A2; US8390196B2; WO2005036585A3; US7514874B2; US7211954B2; US8427052B2; US6525476B1; US10274366B2; WO2012153226A1; US9093257B2; US7952285B2; US8274224B2; US7327085B2; US7279838B2; US6208070B1; WO2006106464A3; WO2019234454A3; WO9905699A1; WO9928946A1; US7474057B2; US7388333B2; WO2011121492A2; US6362571B1; US8564200B2; WO2008129486A2; US6650056B2; US6362569B1; DE202010018034U1; DE202010018034U9; US8729800B2; WO2006046175A3; WO2006052570A1; WO2005029534A3; WO03054917A1; WO0045419A1; WO9849715A1; WO2019234455A1

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