

Title (en)

Metal halide high-pressure discharge lamp

Title (de)

Metallhalogenid-Hochdruckentladungslampe

Title (fr)

Lampe à décharge à haute pression à halogénure métallique

Publication

EP 0492205 B1 19961030 (DE)

Application

EP 91120910 A 19911205

Priority

DE 4040858 A 19901220

Abstract (en)

[origin: EP0492205A2] The discharge vessel (2) of the metal-halide high-pressure discharge lamp (1) for stage, film and television lighting systems and for projection engineering and effect lighting contains hafnium and/or zirconium as metals for the metal halides. Optimum results are achieved if the filling comprises 0.02 to 6 mg per ml of the vessel volume when hafnium is used and 0.01 to 4 mg per ml of the vessel volume when zirconium is used. These metals produce an improved red reproduction, with an R9 greater than, or equal to, 50. <IMAGE>

IPC 1-7

H01J 61/12; **H01J 61/82**

IPC 8 full level

H01J 61/20 (2006.01); **H01J 61/12** (2006.01); **H01J 61/82** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP US)

H01J 61/125 (2013.01 - EP US)

Citation (examination)

- EP 0391283 A2 19901010 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- US 3521110 A 19700721 - JOHNSON PETER D
- EP 0545476 A1 19930609 - PHILIPS PATENTVERWALTUNG [DE], et al

Cited by

EP0702394A3; EP0545476A1; US5382873A; EP0627759A1; US5504392A; US8569952B2; EP0702394A2; US7319294B2; WO2010052142A1; WO9423441A1; WO9848446A3; US6380675B1; US6218781B1

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EP 91120910 A 19911205; DE 4040858 A 19901220; DE 59108315 T 19911205; JP 35094291 A 19911211; US 80585891 A 19911210