

Title (en)

High pressure metal halide discharge lamp.

Title (de)

Metallhalogenid-Hochdruckentladungslampe.

Title (fr)

Lampe à décharge aux halogénures métalliques à haute pression.

Publication

EP 0477668 B1 19950419 (DE)

Application

EP 91115371 A 19910911

Priority

DE 4030202 A 19900924

Abstract (en)

[origin: EP0477668A1] In the high-pressure metal-halide discharge lamp (14) for stage, film and TV lighting systems, the discharge bulb (15) contains, in addition to mercury, at least one noble gas, caesium and dysprosium halide, in particular nickel halide and, optionally, gadolinium halide as filling. Advantageously, the bulb volume contains per cm<3> 0.03 to 3 mg of dysprosium, 0.002 to 0.5 mg of nickel and, optionally, 0.002 to 0.1 mg of gadolinium. The halogens used for the halide compounds are iodine and bromine in a molar ratio of between 0.2 and 1.5. The metals nickel and gadolinium limit the drop in colour temperature over the mean service life of the lamp (14) to not more than 1 K per operating hour. <IMAGE>

IPC 1-7

H01J 61/18

IPC 8 full level

H01J 61/18 (2006.01); **H01J 61/20** (2006.01)

CPC (source: EP US)

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Cited by

US5451838A; EP0762475A1; EP0670588A1; US5479065A; EP0605248A3

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