

Title (en)

Metal halide high pressure discharge lamp

Title (de)

Metallhalogenid-Hochdruckentladungslampe

Title (fr)

Lampe à décharge haute pression à halogénure métallique

Publication

EP 0702394 B1 20000105 (DE)

Application

EP 95112860 A 19950816

Priority

DE 4432611 A 19940914

Abstract (en)

[origin: EP0702394A2] The lamp has a discharge envelope with 2 opposing electrodes and an ionisable filling comprising at least one inert gas, Hg, at least one halogen and the elements Tl, Cs and Hf, for forming halogenides. The Hf can be fully or partially replaced by Zr, or by one or both of the rare earth metals Dy and Gd. Pref. the molecular ratio between the filling component of Hf or Zr and the sum of the rare earth metal filling components is at least 0.35 and pref. between 0.5 and 1.5.

IPC 1-7

H01J 61/12; **H01J 61/82**; **H01J 61/34**; **H01J 61/14**

IPC 8 full level

H01J 61/12 (2006.01); **H01J 61/14** (2006.01); **H01J 61/20** (2006.01); **H01J 61/24** (2006.01); **H01J 61/26** (2006.01); **H01J 61/34** (2006.01); **H01J 61/82** (2006.01); **H01J 61/86** (2006.01)

CPC (source: EP)

H01J 61/12 (2013.01); **H01J 61/125** (2013.01); **H01J 61/14** (2013.01); **H01J 61/26** (2013.01); **H01J 61/34** (2013.01); **H01J 61/827** (2013.01); **H01J 61/86** (2013.01)

Cited by

EP0932796A4; US5929563A; EP0841686A3; WO2010109385A1; WO2008126020A3; WO2008126014A3; WO0195368A1; WO2008060857A3; WO2008126021A3

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0702394 A2 19960320; **EP 0702394 A3 19980429**; **EP 0702394 B1 20000105**; CA 2156472 A1 19960315; DE 4432611 A1 19960321; DE 59507563 D1 20000210; JP H0896748 A 19960412

DOCDB simple family (application)

EP 95112860 A 19950816; CA 2156472 A 19950818; DE 4432611 A 19940914; DE 59507563 T 19950816; JP 25445295 A 19950907