

Title (en)

LOW-PRESSURE MERCURY DISCHARGE LAMP

Title (de)

NIEDERDRUCKQUECKSILBERENTLADUNGSLAMPE

Title (fr)

LAMPE A DECHARGE AU MERCURE BASSE PRESSION

Publication

EP 0968520 B1 20040107 (EN)

Application

EP 98945461 A 19981008

Priority

- EP 98945461 A 19981008
- EP 97203266 A 19971020
- IB 9801567 W 19981008

Abstract (en)

[origin: WO9921214A1] A low-pressure mercury discharge lamp of the invention comprises an envelope (1) that encloses a discharge space (2) in a gastight manner. The envelope is provided with a luminescent material (4) which is excitable with radiation of a wavelength of 254 nm. The envelope (1) is further provided with a further luminescent material (5) which has an excitation spectrum of which the value for a wavelength of 436 nm amounts to at least 10 % of that at a wavelength of 254 nm, and which further luminescent material has an emission spectrum with a maximum in a wavelength range from 580 to 720 nm. The lamp of the invention has in a dimmed state of operation a color point of which the value of the x-coordinate is higher than in the nominal state of operation.

IPC 1-7

H01J 61/48

IPC 8 full level

C09K 11/08 (2006.01); **C09K 11/56** (2006.01); **C09K 11/64** (2006.01); **C09K 11/66** (2006.01); **C09K 11/73** (2006.01); **C09K 11/78** (2006.01); **C09K 11/80** (2006.01); **H01J 61/44** (2006.01); **H01J 61/48** (2006.01)

CPC (source: EP)

H01J 61/48 (2013.01); **H01J 61/327** (2013.01); **H01J 61/34** (2013.01)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9921214 A1 19990429; CN 1129952 C 20031203; CN 1242871 A 20000126; DE 69820996 D1 20040212; DE 69820996 T2 20041209; EP 0968520 A1 20000105; EP 0968520 B1 20040107; JP 2001506403 A 20010515

DOCDB simple family (application)

IB 9801567 W 19981008; CN 98801543 A 19981008; DE 69820996 T 19981008; EP 98945461 A 19981008; JP 52355799 A 19981008