

Title (en)

Wall-stabilized high-pressure discharge lamp.

Title (de)

Wandstabilisierte Hochdruck-Entladungslampe.

Title (fr)

Lampe à décharge à haute pression à paroi stabilisée.

Publication

**EP 0334355 B1 19950607 (DE)**

Application

**EP 89105243 A 19890323**

Priority

DD 31403188 A 19880325

Abstract (en)

[origin: EP0334355A2] The lamp has a high illumination efficiency and very good colour properties and is distinguished by a compact construction together with good convergence properties of the radiation and immediate emission of luminous flux after switching on and can be designed in particular also for very low power levels. It is suitable for general lighting purposes but can also be used for vehicle headlamps and for lighting requirements in scientific and medical apparatus. Discharge takes place in xenon or krypton, the plasma of which is heated by high-power pulses of high repetition frequency and low pulse-duty factor until the recombination continuum distributed over the visible spectral range is being emitted with high intensity, the discharge in the lamp being maintained between the pulses by a holding current of low intensity. <IMAGE>

IPC 1-7

**H01J 61/82**; **H01J 61/16**

IPC 8 full level

**H01J 61/16** (2006.01); **H01J 61/82** (2006.01); **H05B 41/288** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP)

**H01J 61/16** (2013.01); **H01J 61/82** (2013.01); **H05B 41/2882** (2013.01); **H05B 41/392** (2013.01)

Cited by

EP0476186A1; US6340869B1; WO9908492A1; WO2007023227A3

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

**EP 0334355 A2 19890927**; **EP 0334355 A3 19910417**; **EP 0334355 B1 19950607**; DD 272166 A1 19890927; DE 58909273 D1 19950713; HU 204624 B 19920128; HU T49964 A 19891128

DOCDB simple family (application)

**EP 89105243 A 19890323**; DD 31403188 A 19880325; DE 58909273 T 19890323; HU 152489 A 19890324