

Title (en)

High pressure discharge lamp and associated luminaire

Title (de)

Hochdruckentladungslampe und zugehöriges Beleuchtungssystem

Title (fr)

Lampe à décharge à haute pression et dispositif d'éclairage comportant une telle lampe

Publication

EP 0989587 A1 20000329 (DE)

Application

EP 99112630 A 19990702

Priority

DE 19843418 A 19980922

Abstract (en)

A high pressure discharge lamp has an elongated discharge vessel (2) which defines an axial axis of symmetry and surrounds a discharge volume. Two electrodes (6) protrude on the axis. The vessel is cylindrical in the radial direction. The discharge vessel has in a limited region that includes the coldest spot, a reflecting coating, radially asymmetric. The coating is a metallic or non-metallic layer or is a layer roughed up by sand blasting or etching. The coating possesses an axial length of at least 30% of the discharge volume and actually extends over the whole discharge volume in the axial direction. In the radial direction, the coating includes a maximum central angle of at least 30 and no more than 180.

Abstract (de)

Eine Hochdruckentladungslampe mit axialer Symmetrieachse besitzt auf dem Entladungsgefäß (2) eine asymmetrische reflektierende Beschichtung (4) im Bereich der kältesten Stelle, wodurch die lichttechnischen Daten verbessert werden. <IMAGE>

IPC 1-7

H01J 61/35

IPC 8 full level

H01J 61/35 (2006.01)

CPC (source: EP)

H01J 61/35 (2013.01)

Citation (search report)

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