

Title (en)

HIGH-PRESSURE METAL-HALIDE DISCHARGE LAMP FOR FITTING IN OPTICAL SYSTEMS

Title (de)

METALLHALOGENID-HOCHDRUCKENTLADUNGSLAMPE FÜR DEN EINBAU IN OPTISCHE SYSTEME

Title (fr)

LAMPE A DECHARGE SOUS HAUTE PRESSION, A HALOGENURE METALLIQUE, DESTINEE AU MONTAGE DANS DES SYSTEMES OPTIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9423441A1] The invention concerns a high-pressure metal-halide discharge lamp (1) for fitting in optical systems and with specific arc powers between 60 and 140 W per mm arc length, the discharge tube (2) containing tantalum and dysprosium. At wall loads between 40 and 85 W/cm², optimum performance is obtained if the gas in the discharge tube contains, per cubic centimetre of tube volume, 0.2 to 1.5 mg of tantalum and dysprosium at a ratio by weight of tantalum to dysprosium of between 0.3 and 1.5. This gives lamp lives of 1,500 h at a colour temperature of 5,500 K.

IPC 1-7

H01J 61/12; **H01J 61/82**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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