

Title (en)

LIGHTING UNIT COMPRISING AT LEAST ONE, SUBSTANTIALLY U-SHAPED GAS DISCHARGE LAMP

Title (de)

BELEUCHTUNGSEINHEIT MIT MINDESTENS EINER, IM WESENTLICHEN U-FÖRMIGEN GASENTLADUNGSLAMPE

Title (fr)

UNITE D'ECLAIRAGE COMPRENANT AU MOINS UNE LAMPE A DECHARGE GAZEUSE SENSIBLEMENT EN FORME DE U

Publication

**EP 1309984 A1 20030514 (DE)**

Application

**EP 01962641 A 20010816**

Priority

- DE 0103130 W 20010816
- DE 10039966 A 20000816

Abstract (en)

[origin: WO0215227A1] A substantially U-shaped gas discharge lamp (1), containing mercury for the gas discharge, is connected to a high-frequency driver circuit (6). To ensure that the gas discharge lamp (1) operates with the minimum loss and the maximum light yield possible, the respective output terminals (4, 5) of the high-frequency driver circuit (6) are not electrically grounded and the central section (11) of the gas discharge lamp (1) is capacitively coupled to an electric ground (M). This ensures a substantial reduction of the lamp current in the central section (11), thus lowering the thermal production of the gas discharge lamp (1) in said section, the latter becoming as a result the coldest place in the gas discharge chamber and the place for the condensation of the mercury. The mercury vapour pressure can thus be regulated and the light yield optimized.

IPC 1-7

**H01J 61/52**; H01J 61/72; H01J 61/32; H01J 61/56

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 0215227A1

Citation (examination)

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DOCDB simple family (application)

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