

Title (en)
DISCHARGE LAMP WITH DIELECTRICALLY IMPEDED ELECTRODES

Title (de)
ENTLADUNGSLAMPE MIT DIELEKTRISCH BEHINDERTEN ELEKTRODEN

Title (fr)
LAMPE A DECHARGE AVEC ELECTRODES INHIBEES DIELECTRIQUEMENT

Publication
EP 0981831 A1 20000301 (DE)

Application
EP 99915495 A 19990302

Priority
• DE 9900543 W 19990302
• DE 19811520 A 19980317

Abstract (en)
[origin: DE19811520C1] A dielectrically hindered discharge lamp (1) has a surrounding conductive screen (12, 13) separated from the electrodes (3-5) by a dielectric discharge vessel (2) with a thickness/dielectric constant ratio greater than that of the dielectric barrier (6-8). A discharge lamp (1) with a dielectric barrier (6-8) of thickness dB and dielectric constant ϵ_B for promoting a dielectrically hindered discharge has an electrically conductive screen (12, 13) surrounding the discharge vessel (2) which consists of a dielectric of thickness dD and dielectric constant ϵ_D such that dD/ϵ_D is $\geq 1.5 \cdot dB/\epsilon_B$.

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H01J 61/04; **H01J 65/04**

IPC 8 full level
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US 6304028 B1 20011016; AT E205961 T1 20011015; CA 2289536 A1 19990923; CA 2289536 C 20070515; DE 19811520 C1 19990812; DE 59900265 D1 20011025; EP 0981831 A1 20000301; EP 0981831 B1 20010919; HU 223240 B1 20040428; HU P0002438 A2 20001128; HU P0002438 A3 20011228; JP 2001526828 A 20011218; JP 4108770 B2 20080625; KR 100563745 B1 20060324; KR 20010012672 A 20010226; WO 9948134 A1 19990923

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