

Title (en)
DISCHARGE LAMP WITH STARTING AID

Title (de)
ENTLADUNGSLAMPE MIT ZÜNDHILFE

Title (fr)
LAMPE A DECHARGE A AMORCAGE FACILITE

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Application
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Abstract (en)
[origin: WO03019615A1] The invention relates to a dielectric-barrier discharge lamp, comprising electrodes arranged on the wall of the discharge vessel. Said lamp has a VUV/VIS-reflection layer (6) made from a material with a high secondary electron emission coefficient on at least one section of the inner wall of the discharge vessel. A fluorescent material layer (7) is placed around the VUV/VIS-reflection layer (6). At least one section (8) in said fluorescent material layer (7) is devoid of fluorescent material partially revealing the underlying VUV/VIS-reflection layer (6) and being arranged at least in the immediate proximity of one or several electrodes (4) of the lamp. As a result, the igniting function of the lamp is improved, especially when igniting in the dark.

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