

Title (en)
DISCHARGE LAMP WITH DIELECTRICALLY IMPEDED ELECTRODES

Title (de)
ENTLADUNGSLAMPE MIT DIELEKTRISCH BEHINDERTEN ELEKTRODEN

Title (fr)
LAMPE A DECHARGE AVEC ELECTRODES INHIBEES DIELECTRIQUEMENT

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Application
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Abstract (en)
[origin: DE19826808A1] The invention relates to a discharge lamp suitable for operation by dielectrically impeded discharge and comprising electrodes arranged on the wall of the discharge vessel. Said lamp has at least one dielectric layer which covers at least a part of the electrodes and optionally also at least part of the discharge vessel wall. A luminescent and/or reflecting layer is placed on the at least one dielectric layer. According to the invention at least the dielectric layer arranged directly beneath the luminescent and/or reflecting layer consists of a glass solder, especially a sintered vitroceraamic material, whose viscosity is irreversible in relation to temperature. This prevents the dielectric layer from renewed melting during the production process and therefore the porous reflective and/or luminescent layer placed on the dielectric layer from cracking.

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