

Title (en)  
FLUORESCENT LAMP WITH LUMINESCENT MATERIAL LAYER THICKNESS ADAPTED TO THE GEOMETRICAL DISCHARGE DISTRIBUTION

Title (de)  
LEUCHTSTOFFLAMPE MIT AUF DIE GEOMETRISCHE ENTLADUNGSVERTEILUNG ABGESTIMMTER LEUCHTSTOFFSCHICHTDICKE

Title (fr)  
TUBE FLUORESCENT AVEC EPAISSEUR DE COUCHE DE LA SUBSTANCE FLUORESCENTE ADAPTEE A LA REPARTITION GEOMETRIQUE DES DECHARGES

Publication  
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Application  
**EP 99945733 A 19990409**

Priority  
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• DE 19817477 A 19980420

Abstract (en)  
[origin: DE19817477A1] The fluorescent lamp has a discharge vessel filled with a gas filling and has a fluorescent coating (1). It has an electrode structure (2) for a discharge that is restrained in dielectric fashion. The electrode structure establishes a geometric distribution of part-discharges (3) in the region of the lamp. The fluorescent coating has a varying coating thickness matched to the geometric distribution. The electrode structure establishes the geometric distribution by cathode projections (4) and by varying the thickness of an electrode dielectric as well as by variation of the width of the electrodes.

IPC 1-7  
**H01J 61/42**; **H01J 65/00**; **H01J 65/04**

IPC 8 full level  
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CPC (source: EP KR US)  
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