

Title (en)  
ULTRAVIOLETT RADIATION DEVICE

Publication  
**EP 0254111 B1 19920102 (DE)**

Application  
**EP 87109674 A 19870706**

Priority  
CH 292486 A 19860722

Abstract (en)  
[origin: US4837484A] The high-power radiator comprises a discharge space (12) bounded by a metal electrode (8), cooled on one side, and a dielectric (9). The discharge space (12) is filled with a noble gas or gas mixture. Both the dielectric (9) and the other electrode situated on the surface of the dielectric (9) facing away from the discharge space (12) are transparent for the radiation generated by quiet electric discharges. In this manner, a large-area UV radiator with high efficiency is created which can be operated at high electrical power densities of up to 50 kW/m<sup>2</sup> of active electrode surface.

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

IPC 8 full level  
**H01J 61/00** (2006.01); **H01J 65/00** (2006.01)

CPC (source: EP US)  
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