

Title (en)
DEVICE FOR THE TREATMENT OF MATERIAL BY ULTRAVIOLET RAYS

Publication
EP 0222060 A3 19880427 (DE)

Application
EP 86109661 A 19860715

Priority
DE 3526082 A 19850720

Abstract (en)
[origin: EP0222060A2] A device comprises a UV radiation source and a reflector. The reflector preferably consists of two parabolic or elliptical half-shells. One or more coatings for the reflection of UV radiation and, underneath, a coating for absorbing the longer-wavelength part of the spectrum of the UV radiation source are provided on the reflector surface. A diffusion barrier layer is arranged between these coatings. The reflection layer consists of alternately low-refracting dielectric layers of SiO₂ and high-refracting layers of HfO₂, the diffusion barrier layer consists of a dielectric layer of SiO₂ having a physical thickness of at least 0.5 μm and the absorption layer consists of a black anodically oxidised layer, black chromium- or nickel-plating, anodisation or bronzing of a polished copper coating or nickel coating of the reflector body consisting of aluminium alloy. <IMAGE>

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IPC 8 full level
B01J 19/12 (2006.01); **B41F 23/04** (2006.01); **E04G 3/24** (2006.01); **E04G 3/30** (2006.01); **E04G 21/32** (2006.01); **G02B 5/08** (2006.01); **G02B 5/10** (2006.01); **G02B 27/00** (2006.01); **G03F 7/20** (2006.01)

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Citation (search report)
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• [Y] PATENT ABSTRACTS OF JAPAN, Band 6, Nr. 208 (C-130)[1086], 20. Oktober 1982; & JP-A-57 117 339 (MITSUBISHI RAYON K.K.) 21-07-1982

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