

Title (en)

DEVICE FOR EXPOSING A SUBSTRATE TO UV RAYS AND METHOD FOR USING THIS DEVICE

Title (de)

VORRICHTUNG ZUM BESTRAHLEN EINES SUBSTRATS MITTELS UV-STRAHLEN UND VERFAHREN ZUM BETRIEB DER VORRICHTUNG

Title (fr)

DISPOSITIF POUR L'EXPOSITION D'UN SUBSTRAT A DES RAYONS UV ET PROCEDE POUR L'EXPLOITATION DE CE DISPOSITIF

Publication

EP 0985121 B1 20030910 (DE)

Application

EP 98916778 A 19980507

Priority

- CH 9800186 W 19980507
- CH 122597 A 19970526

Abstract (en)

[origin: WO9854525A1] The invention relates to a device comprising a UV lamp (2) which is accommodated in a housing (3) in such a way that UV rays emerge directly or indirectly from an exit (4), and strike a substrate (1) which is to be exposed to the rays. The lamp is air-cooled in a closed circuit, whereby the air enters the housing through an air inlet (6) and leaves the housing again through an air outlet (7). The exit (4) is sealed with a glass plate transparent to UV, so that neither cooling air nor ozone can exit directly from the housing. This also protects the lamp and the reflector surrounding the lamp from being dirtied by the suctioned cooling air.

IPC 1-7

F26B 3/28

IPC 8 full level

F26B 3/28 (2006.01)

CPC (source: EP)

F26B 3/28 (2013.01)

Cited by

DE102007040209A1; KR20150074074A; CN114392708A; DE102018102928A1; EP2192366A2; EP2031330A2; US11547770B2; US11857686B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

WO 9854525 A1 19981203; AT E224523 T1 20021015; DE 59805621 D1 20031120; EP 0985121 A1 20000315; EP 0985121 B1 20030910

DOCDB simple family (application)

CH 9800186 W 19980507; AT 98916778 T 19980507; DE 59805621 T 19980507; EP 98916778 A 19980507