

Title (en)

Device for radiating a substrate with UV-rays

Title (de)

Vorrichtung zum Bestrahlen eines Substrats mittels UV-Strahlen

Title (fr)

Dispositif de rayonnement d'un substrat avec un rayonnement UV

Publication

EP 2031330 A3 20140305 (DE)

Application

EP 08162491 A 20080818

Priority

DE 102007040209 A 20070827

Abstract (en)

[origin: EP2031330A2] The device has an ultraviolet (UV) lamp (9) and a reflector arranged in a housing (2) having an outlet (20) and inlet (22) for a cooling gas, where UV rays are directly or indirectly discharged at an UV transparent plate (10) of the housing. A conveying wing (17), a blower (21) and a cooling channel (23) cools the lamp by a cooling fluid. The lamp has movable closures (12, 13) that are provided with motors (14-16), where the closures are rotatable around a longitudinal axis of the lamp along a rotation path by the motors. A part of the closures is provided with the wing for the cooling gas.

IPC 8 full level

B41F 23/04 (2006.01); **F21V 29/02** (2006.01); **F26B 3/28** (2006.01)

CPC (source: EP US)

B41F 23/0453 (2013.01 - EP); **F21V 29/65** (2015.01 - US); **F26B 3/28** (2013.01 - EP)

Citation (search report)

- [XA] DE 3902643 A1 19901213 - METZ LUFT UND TROCKNUNGSANLAGE [DE]
- [A] US 2006022154 A1 20060202 - SCHMITKONS JAMES W [US], et al
- [AD] GB 2388652 A 20031119 - BODEN MARC [GB]
- [AD] US 5094010 A 19920310 - JACOBI CECIL [US], et al

Cited by

CN107825841A; DE102008058056A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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