

Title (en)

PORTABLE AND DISPOSABLE UV DEVICE WITH VISIBLE LIGHT AND SHAPING OPTICS

Title (de)

TRAGBARES UND WEGWERFBARES UV-GERÄT MIT SICHTBAREM LICHT UND FORMUNGSOPTIK

Title (fr)

DISPOSITIF UV PORTATIF JETABLE DOTÉ D'UNE LUMIÈRE VISIBLE ET D'UNE OPTIQUE DE MISE EN FORME

Publication

EP 4093447 A4 20240515 (EN)

Application

EP 21745155 A 20210121

Priority

- US 202016809976 A 20200305
- US 202062963682 P 20200121
- US 2021014386 W 20210121

Abstract (en)

[origin: WO2021150734A1] A handheld UVC device for generating and emitting UVC light on selected surfaces, localized areas and air surrounding a surface. The handheld UVC device comprises an irradiation portion, an activation portion, a visible light emitter, and a grip. The irradiation portion, when powered, provides light in the UVC spectrum for generating and emitting UVC light toward a surface. The activation portion provides selective activation of the irradiation portion for a time duration sufficient to episodically generate and emit UVC light to sanitize the surface. The visible light emitter, when powered, emits visible indicia to indicate an area of the surface that is irradiated by the UVC light, where the visible indicia defines concentric shapes on the selected surfaces, each defining a different level of intensity at the surface being disinfected. The grip provides a gripping surface for a user to grip and hold the handheld UVC device and direct the irradiation portion toward the surface to be sanitized and to emit UVC light toward the surface to be sanitized.

IPC 8 full level

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CPC (source: EP KR)

A61L 2/10 (2013.01 - EP KR); **A61L 2/26** (2013.01 - EP KR); **F21V 33/0064** (2013.01 - KR); **A61L 2202/14** (2013.01 - KR); **A61L 2202/16** (2013.01 - EP KR)

Citation (search report)

- [X] US 9572903 B2 20170221 - DOBRINSKY ALEXANDER [US], et al
- [I] US 5871522 A 19990216 - SENTILLES J BRUCE [US]
- See also references of WO 2021150734A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2021014386 W 20210121; BR 112022010437 A 20210121; CA 3160006 A 20210121; CN 202180009676 A 20210121; EP 21745155 A 20210121; JP 2022544280 A 20210121; JP 2023194776 A 20231115; KR 20227024780 A 20210121; MX 2022008965 A 20210121