

Title (en)

DEVICE AND METHOD FOR DISINFECTING A FLUID FLOW VIA UV-C RADIATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR DESINFEKTION EINES FLUIDSTROMS MITTELS UV-C-STRALUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉSINFECTION D'UN FLUX DE FLUIDE PAR EXPOSITION À UN RAYONNEMENT UV-C

Publication

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Application

EP 21729935 A 20210507

Priority

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Abstract (en)

[origin: WO2021224879A2] A device for the disinfection of a volume containing a gaseous fluid, comprising a hollow body (2) having a reflective inner surface (7), an inlet opening (3) and an outlet opening (4), and one or more sources (5) of UV-C radiation placed inside the body (2); the body (2) defines an optical cavity generating a multiplicative effect of the illumination intensity due to multiple reflections inside the body (2). The device can be used in assisted breathing or ventilation systems for disinfecting the air exhaled by a patient.

IPC 8 full level

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