

Title (en)

DEVICE FOR TREATING WATER WITH ULTRAVIOLET RADIATION IN A PURIFICATION PLANT OPEN CHANNEL

Title (de)

VORRICHTUNG ZUR BEHANDLUNG VON WASSER MIT UV-STRAHLUNG IN EINEM OFFENEN KANAL EINER KLÄRANLAGE

Title (fr)

DISPOSITIF DE TRAITEMENT DES EAUX PAR RAYONNEMENT ULTRAVIOLET EN CANAL OUVERT DE STATION D'ÉPURATION

Publication

**EP 3966168 A1 20220316 (FR)**

Application

**EP 20723407 A 20200505**

Priority

- FR 1904743 A 20190507
- EP 2020062452 W 20200505

Abstract (en)

[origin: WO2020225260A1] A device (100) for treating fluid with ultraviolet radiation in a purification plant open channel, comprising a plurality of ultraviolet tubes (10), each one consisting of an ultraviolet lamp (11) placed in a protective sheath (12), a body (20) in which said tubes are installed parallel to one another, a system for cleaning the protective sheaths, an electrical unit (40) and an auxiliary unit (50) containing a cleaning product reservoir; the ultraviolet tubes (10) are arranged inclined relative to a horizontal direction of fluid flow, and the cleaning system comprises a photocatalytic media in contact with the protective sheaths.

IPC 8 full level

**C02F 1/32** (2006.01)

CPC (source: EP)

**C02F 1/325** (2013.01); **C02F 2201/3225** (2013.01); **C02F 2201/3227** (2013.01); **C02F 2201/324** (2013.01); **C02F 2305/10** (2013.01)

Citation (search report)

See references of WO 2020225260A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020225260 A1 20201112**; EP 3966168 A1 20220316; FR 3095814 A1 20201113; FR 3095814 B1 20210604

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