Title (en)

DEVICE AND PROCESS FOR IMPROVING MIXING IN THE UV DISINFECTION OF LIQUIDS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VERBESSERUNG DER DURCHMISCHUNG BEI DER UV-DESINFEKTION VON FLÜSSIGKEITEN

Title (fr)

DISPOSITIF ET PROCÉDÉ D'AMÉLIORATION DU MÉLANGE DANS LA DÉSINFECTION DE LIQUIDES PAR UV

Publication

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Application

EP 07786030 A 20070712

Priority

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Abstract (en)

[origin: WO2008055552A1] A device is proposed for the UV disinfection of liquids in an open or closed channel (1), having an inflow for the liquid to be disinfected, at least one UV irradiator (2) arranged downstream of the inflow in a main flow direction (9), and also having an outflow arranged downstream of the UV irradiator (2), in which a mixing device (6, 12, 13, 14, 18, 21) which is driven by an electric motor is arranged between the inflow and the at least one UV irradiator (2), which mixing device is set up for generating a crossflow (8, 8') having at least one velocity component transverse to the main flow direction (9) in order to improve mixing of the liquid.

IPC 8 full level

C02F 1/32 (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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