

Title (en)
DEVICE AND METHOD FOR DETERMINING THE DEGREE OF DISINFECTION OF A LIQUID

Title (de)
VORRICHTUNG UND VERFAHREN ZUM ERMITTELN DES DESINFEKTIONSGRADES EINER FLÜSSIGKEIT

Title (fr)
DISPOSITIF ET PROCÉDÉ DE CALCUL DU DEGRÉ DE DÉSINFECTION D'UN FLUIDE

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Application
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Abstract (en)
[origin: WO2011106808A1] The invention relates to a device (1) and also a method for determining the degree of disinfection, and for determining the time point (to) when a defined degree of disinfection is reached by a liquid, in particular drinking water, that is situated in a container (100) which is light-permeable at least in a UV range. The device (1) comprises in this case a UV measuring appliance (2) for measuring the intensity of the UV radiation in the region of the container (100), a data analysis unit (3) to which the values of the UV intensity which are measured by the UV measuring device (2) are fed, and wherein the data analysis unit (3) converts the UV intensity values measured at the start of a measurement at defined time points (t) to form a characteristic (K), and wherein the data analysis unit (3) compares the characteristics (K) determined at defined time points (t) with a predetermined characteristic (Ko), which predetermined characteristic (Ko) corresponds to a defined degree of disinfection of the liquid, and wherein the device (1) comprises at least one signal output appliance (4) which, in the event that the determined characteristic (K) reaches or exceeds the value of the predetermined characteristic (Ko), provides a signal output.

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C02F 1/32 (2006.01)

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See references of WO 2011106808A1

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