

Title (en)

METHOD AND DEVICE FOR DETERMINING THE CONCENTRATION OF ORGANICALLY BOUND HALOGENS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONZENTRATIONSERMITTLUNG VON ORGANISCH GEBUNDENEN HALOGENEN

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER LA CONCENTRATION EN HALOGENES LIES ORGANIQUEMENT

Publication

**EP 1851530 A2 20071107 (DE)**

Application

**EP 06707256 A 20060224**

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Abstract (en)

[origin: WO2006089773A2] Disclosed is a method for determining the concentration of organically bound halogens located in wastewater. According to said method, a given amount of wastewater is taken and is transferred into a test sample. Said test sample is then subjected to a spectral measurement, and the result of the spectral measurement is compared to reference measurements in order to determine the concentration of the organically bound halogens. The organically bound halogens are fortified in the test sample using extraction or adsorption. Inorganically bound halogens are eliminated from the test sample. The comparison of the spectral measurement to reference measurements is made using chemometric processes. An automatic measuring apparatus (9) comprises a device (10) for removing an amount of a sample from a flowing system, a device (11) for transferring the amount of the sample into a test sample, a device (12) for performing spectral measurements on the test sample, and a device (13) for evaluating the result of the spectral measurements by means of reference measurements. The inventive measuring apparatus further comprises a device for automatically supplying an amount of a sample and a device (11) for automatically transferring the test sample into the device (12) for performing the spectral measurement. The measuring apparatus can also be used for determining the concentration of other spectroscopically active substances, especially the concentrations of AOX contributors, BTEX contributors, alcohols, peroxides, metals, aldehydes, cetones, polymers, aromatics, functionalized aromatics, or polyaromatics.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2006089773A2

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