Title: METHOD AND SYSTEM FOR PHOTOCATALYTIC REMOVAL OF ORGANIC HALOGENS BY REDUCTION

Abstract: The present invention concerns a method and a system with one or more reactor chambers (5) for photocatalytic reduction in connection with oxidation reactions for treatment of water with polychromatic light, preferably in the UV range, where the reactor chamber (5) is coated with a photocatalyst and to which may be added one or more oxidation chemicals, and where one or several types of lamps (2) can be adapted to the processes. Further is provided a positioning of an outlet channel (9) for extracting a water flow for the production of halogens, and the positioning of a dosage of halogens into the water system so as to reduce the formation of disinfection by-products.