

Title (en)  
WATER TREATMENT FACILITY AND METHOD

Title (de)  
WASSERBEHANDLUNGSANLAGE UND -VERFAHREN

Title (fr)  
INSTALLATION ET PROCEDE POUR LE TRAITEMENT DE L'EAU

Publication  
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Application  
**EP 22722702 A 20220411**

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Abstract (en)  
[origin: WO2022218939A1] The invention pertains to the technical field of water treatment. The invention relates to a water treatment facility comprising: supply means (A) for feeding the water to be treated; optionally a coagulation and/or flocculation zone (Z) into which the supply means (A) for feeding the water to be treated (E) run; a flotation reactor RFLO comprising an inlet and a gravity filter Fg into which water from the flotation reactor RFLO can flow by gravity, the gravity filter having a single-layer filtering media bed distributed over a height of 1 m or less. The facility comprises at least one high-rate monolayer filter (HRMF) for filtering the flotation-filtered water from the gravity filter Fg. A facility according to the invention can comprise a desalination and/or potabilization unit using membrane treatment, in particular reverse osmosis, in order to desalinate and/or make the pretreated water from the high-rate monolayer filter drinkable.

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