

Title (en)
DEVICE AND METHOD FOR THE TREATMENT OF WATER

Title (de)
VORRICHTUNG UND VERFAHREN ZUR BEHANDLUNG VON WASSER

Title (fr)
DISPOSITIF ET PROCEDE DE TRAITEMENT DE L'EAU

Publication
EP 1765734 A1 20070328 (EN)

Application
EP 05715147 A 20050404

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Abstract (en)
[origin: WO2005095290A1] A system (10) for the treatment of recycled water (18) which comprises a tank (16) for the collection of the recycled water (18), which is supplied to the tank (16) through a supply entry (14). The system further comprises a pipeline (20) for guiding the recycled water (18) from the tank to a draining site (22) for the draining of the recycled water, and a pump (28) which is mounted in the pipeline (20) and the input of which is connected to a suction input located at the bottom of the tank (16), and which has an output. A tubular water treatment unit (24) is provided, which is mounted in the pipeline (20) and includes a guiding plate for twisting the water which runs through the unit one turn of 360° to the right or to the left on the northern and southern hemisphere, respectively, when seen through the direction of the flow through the tubular treatment unit (24), the input being connected to the output end of the pump (28) and the output being connected to a junction (36) which leads partly to the draining site (22) and partly to a return pipe (36) to the tank. In the return pipe (36), a closure valve (40) is mounted. A control unit (30) is adapted to activate the pump (28) for the draining of the recycled water (18) from the tank (16) through the pipeline (36) and to periodically activate the pump (28) in case of lack of draining and at the same time activate the closure valve (40) for the circulation of the recycled water through the tubular treatment unit (24).

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