

Title (en)  
METHOD AND APPARATUS FOR THE PURIFICATION OF WASTE WATER

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR REINIGUNG VON ABWASSER

Title (fr)  
PROCÉDÉ ET APPAREIL D'ÉPURATION DES EAUX USÉES

Publication  
**EP 2470478 A4 20160921 (EN)**

Application  
**EP 10811325 A 20100817**

Priority  
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Abstract (en)  
[origin: WO2011023851A1] A method and apparatus for the purification of wastewater. The hydrostatic pressure of wastewater present in a tank (14) is used for passing wastewater across an electrolytic cell submerged in the tank. The cell element equipped with an iron and/or aluminum electrode is used for generating iron and/or aluminum hydroxide working as a molecular sieve. The hydrogen released in electrolysis is used for raising the molecular sieve and impurities trapped therein up into a water and flock separation tower (7), in which the same, upon rising, accumulate for a flock (13) in an upper end of the separation tower. Purified water is removed from the separation tower (7) from below the evolving flock (13) and from above the level of water in the tank (14).

IPC 8 full level  
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Citation (search report)  
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• [Y] WO 9615989 A1 19960530 - HLS ELEKTROAUTOMATIikka OY [FI], et al  
• [Y] US 6086732 A 20000711 - SUOMINEN HANNU L [FI]  
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• [Y] EP 0469582 A1 19920205 - IWATECH KONRADT GMBH [DE]  
• See references of WO 2011023851A1

Designated contracting state (EPC)  
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