

Title (en)  
METHOD FOR BIOLOGICAL PURIFICATION

Title (de)  
VERFAHREN ZUR BIOLOGISCHEN REINIGUNG

Title (fr)  
PROCÉDÉ DE PURIFICATION BIOLOGIQUE

Publication  
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Application  
**EP 10799478 A 20100615**

Priority  
• FI 2010050501 W 20100615  
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Abstract (en)  
[origin: WO2011007045A1] The invention relates to a method for biologic purification, the method being based on purification of a fluid to be processed, such as waste water, by means of an activated sludge process that operates at least partly on batch principle, in which aeration of the liquid to be processed, separation of purified liquid and removal of clean liquid take place in successive phases in a same processing space, whereby liquid to be processed is fed into a process space (1) containing a mass of activated sludge (M), whereby the mass of activated sludge therein is aerated at least from below by aeration air, being led thereto via a flow assembly (2) by means of an air distribution assembly (3), existing essentially in connection with a bottom of the process space, in order to purify the liquid to be processed by oxidizing microorganisms in the mass of activated sludge, the organisms using impurities in the liquid to be processed as nutriment thereof. Separation of liquid that has been purified in the process from the activated sludge and removal of the liquid from the process space (1) is being carried out by leading the liquid from below, at least when the aeration taking place from below is interrupted, through the mass (M) of activated sludge and a filter assembly (4) existing in connection therewith.

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Citation (search report)  
• [Y] DE 3243626 A1 19840614 - BICK HEINRICH [DE]  
• [Y] WO 9741074 A1 19971106 - ANAEROBICS INC [US]  
• See references of WO 2011007045A1

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