

Title (en)

METHOD FOR TREATING WASTEWATER AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR ABWASSERBEHANDLUNG UND EINRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCÉDÉ DE TRAITEMENT D'EAUX USÉES ET DISPOSITIF POUR RÉALISER CE PROCÉDÉ

Publication

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Application

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Abstract (en)

[origin: WO2015000462A1] The aim of the invention is to create a method and a device that reliably guarantee the removal of contaminants from wastewater with good energy efficiencies, whereby the purified water can be fed in as a direct discharge or in special cases can be fed to a further purification process. A further aspect of said aim is the recovery of raw materials from agricultural and municipal wastewater or raw materials from biogas plants. Said aim is achieved by a method that comprises an electrolytic treatment of the wastewater by using an anode, which contains both materials that withstand the electrolysis and sacrificial materials that are dissolved during the electrolysis, which are both simultaneously exposed to the wastewater. A device for carrying out the method comprises, as the part of the anode that withstands the electrolysis, a dimensionally stable anode cage (4) made of platinum, titanium, niobium, palladium, ruthenium, or platinized titanium, to which anode cage aluminum, iron, magnesium, calcium, or mixtures of said metals are applied as sacrificial material. The invention can be used to treat wastewater.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015000462A1

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