

Title (en)

APPARATUS AND METHOD FOR CLEANING WASTEWATER

Title (de)

VORRICHTUNG UND VERFAHREN ZUR REINIGUNG VON ABWASSER

Title (fr)

DISPOSITIF ET PROCÉDÉ D'ÉPURATION D'EAUX USÉES

Publication

**EP 3849947 A1 20210721 (DE)**

Application

**EP 19762171 A 20190905**

Priority

- EP 18193407 A 20180910
- EP 2019073689 W 20190905

Abstract (en)

[origin: WO2020053063A1] The present document describes a cleaning apparatus (1) and a method for cleaning wastewater (2) from a tank (3) and/or a collection device (3a). The cleaning apparatus has at least one electrolysis cell which at least comprises an electrode space (5) with an anode (6), suitable for generating hydroxide radicals, and a cathode (7) suitable for the reduction of oxygen, which is designed as a gas diffusion electrode, a wastewater inflow line (8) and a wastewater outflow line (9) for the cleaned wastewater (10), further comprising a gas space (11) which is separated from the electrode space (5) by the cathode (7), at least one inflow line (12) and one outflow line (13) for an oxygen-containing gas, which are connected to the gas space (11), and electrical connections (19a) and (19b) which connect the anode and the cathode to a DC voltage source (19) in a switchable manner.

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

- WO 2021045191 A1 20210311 - DE NORA PERMELEC LTD [JP]
- US 2012031852 A1 20120209 - AGLIETTO IVANO [IT]
- See also references of WO 2020053063A1

Designated contracting state (EPC)

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