

Title (en)

DEVICE FOR THE ELECTROCHEMICAL TREATMENT OF WATER OR WASTE WATER BY ELECTROFLOCCULATION

Title (de)

VORRICHTUNG ZUR ELEKTROCHEMISCHEN BEHANDLUNG VON WASSER ODER ABWASSER DURCH ELEKTROFLOKKULATION

Title (fr)

DISPOSITIF POUR LE TRAITEMENT ELECTROCHIMIQUE DE L'EAU OU DES EAUX USEES PAR ELECTROFLOCCULATION

Publication

**EP 0989959 A1 20000405 (DE)**

Application

**EP 98929428 A 19980608**

Priority

- DE 19724005 A 19970608
- EP 9803405 W 19980608

Abstract (en)

[origin: WO9856720A1] The invention relates to an apparatus for the electrochemical treatment of waste water by electroflocculation, comprising an electrode arrangement and an anode scraping device. The sword-shaped anode(s) (2) are flanked by cathodes (3) which have the same shape and support the support construction for the anode scraping device. The transporting of the oxide crusts scraped from the anode surface towards the lower reactor end is supported by a gas current which is introduced into the electrolysis slot through hollow sections (4) serving as distancing elements for the electrodes. The anodes can consist of several individual metal sheets having intermediate layers for lowering frictional resistance when individual sheets are advanced. The liquid tightness of the upper surface of the reactor in the area of the scraping device is ensured by a stopper of an elastic material which is not electrically conductive.

IPC 1-7

**C02F 1/465**

IPC 8 full level

**C02F 1/461** (2006.01); **C02F 1/463** (2006.01); **C02F 1/465** (2006.01)

CPC (source: EP US)

**C02F 1/46109** (2013.01 - EP US); **C02F 1/463** (2013.01 - EP US); **C02F 1/465** (2013.01 - EP US); **C02F 2001/46119** (2013.01 - EP US)

Citation (search report)

See references of WO 9856720A1

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**WO 9856720 A1 19981217**; DE 19724005 C1 19990729; EP 0989959 A1 20000405; US 6214182 B1 20010410

DOCDB simple family (application)

**EP 9803405 W 19980608**; DE 19724005 A 19970608; EP 98929428 A 19980608; US 44549599 A 19991207