Title (en)

DEVICE FOR AND METHOD OF GENERATING OZONE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG VON OZON

Title (fr)

DISPOSITIF ET PROCEDE DE PRODUCTION D'OZONE

Publication

EP 1597415 A4 20060405 (EN)

Application

EP 04710771 A 20040213

Priority

- CN 2004000120 W 20040213
- US 44794803 P 20030214

Abstract (en)

[origin: WO2004072329A1] The present invention can provide an electrode member having a substrate member and a coating member. The substrate member can be made of a material selected from the group consisting of titanium, gold coated titanium and other inert conducting materials. The coating member can have a tin dioxide modified by antimony. The electrode member of the present invention can be used for direct generation of ozone in water or through water into a gaseous state.

IPC 1-7

C25B 11/04; C25B 1/13; C25B 9/00

IPC 8 full level

C25B 1/13 (2006.01); **C25B 11/04** (2006.01)

CPC (source: EP US)

C25B 1/13 (2013.01 - EP US); **C25B 11/091** (2021.01 - EP US); Y10T 428/12063 (2015.01 - EP US)

Citation (search report)

- [X] US 3627669 A 19711214 - ENTWISLE JOHN HUBERT, et al
- [X] DATABASE CA CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 8 June 1998 (1998-06-08), BEAUFILS, Y: "Use of Ti/IrO2/SnO2-Sb2O5 electrodes for ozone production", XP002363579, Database accession no. 128:287703
- See references of WO 2004072329A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

CN 2004000120 W 20040213; CN 200480004286 A 20040213; EP 04710771 A 20040213; US 11218908 A 20080430; US 201213370452 A 20120210; US 78030904 A 20040217