

Title (en)

GAS DIFFUSION ELECTRODE-EQUIPPED ION-EXCHANGE MEMBRANE ELECTROLYTIC CELL

Title (de)

MIT EINER GASDIFFUSIONSELEKTRODE UND EINER IONENAUSTAUSCHMEMBRAN AUSGESTATTETE ELEKTROLYSEZELLE

Title (fr)

CELLULE ÉLECTROLYTIQUE À MEMBRANE À ÉCHANGE D'IONS ÉQUIPÉE D'ÉLECTRODE À DIFFUSION GAZEUSE

Publication

EP 2436804 A1 20120404 (EN)

Application

EP 10780245 A 20100524

Priority

- JP 2010003470 W 20100524
- JP 2009126622 A 20090526

Abstract (en)

Provided is a gas diffusion electrode equipped ion exchange membrane electrolyzer including an anode, an ion-exchange membrane, and a cathode chamber in which a gas diffusion electrode is disposed, wherein in a cathode gas chamber formed between a back plate of the cathode chamber and one side of the gas diffusion electrode opposite to the electrolytic surface, a gas-permeable elastic member is disposed between the gas diffusion electrode and the back plate, and the elastic member forms a conductive connection between the gas diffusion electrode and the back plate by making contact with corrosion-resistant conductive layers formed on the surfaces of a plurality of conductive members which are joined to the back plate.

IPC 8 full level

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CPC (source: EP US)

C25B 9/19 (2021.01 - EP US); **C25B 9/65** (2021.01 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2436804 A1 20120404; **EP 2436804 A4 20150527**; CN 102459708 A 20120516; JP 5785492 B2 20150930; JP WO2010137284 A1 20121112; US 2012125782 A1 20120524; WO 2010137284 A1 20101202

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