

Title (en)

LOW SOLUBILITY SALTS AS AN ADDITIVE IN GAS DIFFUSION ELECTRODES FOR INCREASING THE CO<sub>2</sub> SELECTIVITY AT HIGH CURRENT DENSITIES

Title (de)

SCHWERLÖSLICHE SALZE ALS ZUSCHLAG ZU GASDIFFUSIONSELEKTRODEN ZUR ERHÖHUNG DER CO<sub>2</sub>-SELEKTIVITÄT BEI HOHEN STROMDICHTEN

Title (fr)

SELS PEU SOLUBLES UTILISÉS COMME AJOUT À DES ÉLECTRODES À DIFFUSION DE GAZ AFIN D'AUGMENTER LA SÉLECTIVITÉ DE CO<sub>2</sub> POUR DES DENSITÉS DE COURANT ÉLEVÉES

Publication

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Application

**EP 18707300 A 20180215**

Priority

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- EP 2018053756 W 20180215

Abstract (en)

[origin: WO2018162202A1] The invention relates to: a gas diffusion electrode comprising a metal M which is selected from Ag, Au, Cu, Pd and mixtures and/or alloys thereof, and a low solubility compound of the metal M; a method for the production thereof; a use in the electrolysis of CO<sub>2</sub> and/or CO and a corresponding electrolysis method; as well as an electrolytic cell having the gas diffusion electrode according to the invention.

IPC 8 full level

**C25B 3/25** (2021.01)

CPC (source: EP US)

**C25B 1/00** (2013.01 - EP); **C25B 1/04** (2013.01 - US); **C25B 3/25** (2021.01 - EP); **C25B 11/031** (2021.01 - EP); **C25B 11/061** (2021.01 - US); **C25B 11/075** (2021.01 - EP); **C25B 11/081** (2021.01 - EP); **C25B 11/093** (2021.01 - US); **C01B 32/50** (2017.07 - US); **Y02E 60/36** (2013.01 - EP)

Citation (search report)

See references of WO 2018162202A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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