

Title (en)

AN OXYGEN EVOLUTION REACTION ELECTRODE CATALYST ASSEMBLY, ITS USE AND A METHOD TO PRODUCE SAID ASSEMBLY

Title (de)

SAUERSTOFFENTWICKLUNGS-REAKTIONSELEKTRODENKATALYSATORANORDNUNG, DEREN VERWENDUNG UND VERFAHREN ZUR HERSTELLUNG DER BESAGTEN ANORDNUNG

Title (fr)

ENSEMBLE CATALYSEUR D'ÉLECTRODE À RÉACTION DE DÉGAGEMENT D'OXYGÈNE, SON UTILISATION ET PROCÉDÉ DE PRODUCTION DUDIT ENSEMBLE

Publication

**EP 4281600 A1 20231129 (EN)**

Application

**EP 22700920 A 20220111**

Priority

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- EP 2022050411 W 20220111

Abstract (en)

[origin: WO2022157034A1] The disclosure relates to an OER electrode catalyst assembly comprising a multi-metallic catalyst and a support with the catalyst being deposited on the support, the catalyst comprising one or more iron oxides, the catalyst assembly is remarkable in that the support comprises dendritic nickel foam. A method for producing such catalyst assembly and a process for generating molecular oxygen by an oxygen evolution reaction using such catalyst assembly are also described.

IPC 8 full level

**C25B 1/04** (2021.01); **C25B 11/031** (2021.01); **C25B 11/052** (2021.01); **C25B 11/054** (2021.01); **C25B 11/061** (2021.01); **C25B 11/077** (2021.01); **C25B 11/091** (2021.01); **C25D 3/12** (2006.01); **C25D 5/00** (2006.01)

CPC (source: EP)

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