

Title (en)  
METHOD FOR PRODUCING AN ACTIVE LAYER OF AN ELECTRODE FOR ELECTROCHEMICAL REDUCTION REACTIONS

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER AKTIVEN SCHICHT EINER ELEKTRODE FÜR ELEKTROCHEMISCHE REDUKTIONSREAKTIONEN

Title (fr)  
PROCEDE DE PREPARATION D'UNE COUCHE ACTIVE D'ELECTRODE POUR DES REACTIONS DE REDUCTION ELECTROCHIMIQUE

Publication  
**EP 3887573 A1 20211006 (FR)**

Application  
**EP 19806189 A 20191119**

Priority  
• FR 1872176 A 20181130  
• EP 2019081708 W 20191119

Abstract (en)  
[origin: WO2020109065A1] A method for producing a catalytic material of an electrode for electrochemical reduction reactions, said material comprising an active phase based on at least one group VIB metal and an electrically conductive support, which method is carried out according to at least the following steps: - a step of bringing said support into contact with at least one solution containing at least one precursor of at least one group VIB metal; - a step of drying at a temperature below 250 °C, without subsequent calcination step; - a step of sulfurization at a temperature between 100 °C and 600 °C.

IPC 8 full level  
**C25B 1/04** (2021.01); **B01J 23/30** (2006.01); **B01J 23/881** (2006.01); **B01J 23/882** (2006.01); **B01J 23/883** (2006.01); **B01J 37/02** (2006.01); **B01J 37/20** (2006.01); **C25B 11/04** (2021.01); **H01M 4/90** (2006.01)

CPC (source: EP US)  
**B01J 37/0215** (2013.01 - US); **C25B 1/04** (2013.01 - EP US); **C25B 1/27** (2021.01 - US); **C25B 3/26** (2021.01 - US); **C25B 5/00** (2013.01 - US); **C25B 9/17** (2021.01 - US); **C25B 11/057** (2021.01 - EP); **C25B 11/063** (2021.01 - US); **C25B 11/065** (2021.01 - US); **C25B 11/077** (2021.01 - EP); **C25B 11/081** (2021.01 - US); **C25B 11/091** (2021.01 - EP US); **H01M 4/8828** (2013.01 - EP); **H01M 4/8842** (2013.01 - EP); **H01M 4/8878** (2013.01 - EP); **H01M 4/9041** (2013.01 - EP); **H01M 4/9083** (2013.01 - EP); **B01J 35/33** (2024.01 - EP); **Y02E 60/36** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP); **Y02P 20/133** (2015.11 - EP)

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020109065 A1 20200604**; CN 113366155 A 20210907; EP 3887573 A1 20211006; FR 3089133 A1 20200605; FR 3089133 B1 20240419; US 2022010439 A1 20220113

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**EP 2019081708 W 20191119**; CN 201980078558 A 20191119; EP 19806189 A 20191119; FR 1872176 A 20181130; US 201917295206 A 20191119