

Title (en)  
ELECTROLYTIC ELECTRODE AND MANUFACTURING METHOD THEREFOR

Title (de)  
ELEKTROLYTISCHE ELEKTRODE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
ÉLECTRODE ÉLECTROLYTIQUE ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 3492631 A4 20191120 (EN)**

Application  
**EP 18843984 A 20180730**

Priority  

- KR 20170102524 A 20170811
- KR 20180087750 A 20180727
- KR 2018008645 W 20180730

Abstract (en)  
[origin: EP3492631A1] Provided is an electrode for electrolysis and a preparation method of the same. The electrode for electrolysis has an improved needle-like structure of a rare earth metal compared to conventional electrodes, and thus detachment of catalytic materials is reduced, so that the electrode is excellent in durability such as exhibiting stable performance even in a reverse current flow. Further, since the electrode for electrolysis has a low overvoltage value, an overvoltage required amount of the electrolytic cell can be remarkably reduced. In addition, an electrode for electrolysis having the above effect can be prepared without introducing additional precursors or changing manufacturing facilities.

IPC 8 full level  
**C25B 11/04** (2006.01); **C25B 1/46** (2006.01)

CPC (source: EP)  
**C25B 1/46** (2013.01); **C25B 11/093** (2021.01)

Citation (search report)  

- [XAI] US 7959774 B2 20110614 - NARA MIWAKO [JP], et al
- [A] US 2015259811 A1 20150917 - TAKEUCHI ATSUMI [JP]
- [A] JP H08269763 A 19961015 - TOYO SEIKAN KAISHA LTD
- [A] JP 2015143388 A 20150806 - TOSOH CORP
- See references of WO 2019031753A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3492631 A1 20190605; EP 3492631 A4 20191120; EP 3492631 B1 20210303**; CN 109790634 A 20190521; CN 109790634 B 20210223; WO 2019031753 A1 20190214

DOCDB simple family (application)  
**EP 18843984 A 20180730**; CN 201880003679 A 20180730; KR 2018008645 W 20180730