

Title (en)

METHOD FOR IMPROVING THE PERFORMANCE OF NICKEL ELECTRODES

Title (de)

VERFAHREN ZUR LEISTUNGSVERBESSERUNG VON NICKELELEKTRODEN

Title (fr)

PROCÉDÉ D'AMÉLIORATION DE LA PERFORMANCE DES ÉLECTRODES À BASE DE NICKEL

Publication

EP 3597791 B1 20211117 (DE)

Application

EP 18184694 A 20180720

Priority

EP 18184694 A 20180720

Abstract (en)

[origin: WO2020016122A1] The invention relates to a method for improving the performance of coated nickel electrodes in chloralkali electrolysis by adding water-soluble platinum compounds to the catholyte during the electrolysis at low current density.

IPC 8 full level

C25B 1/46 (2006.01); **C25B 11/052** (2021.01); **C25B 11/061** (2021.01); **C25B 11/091** (2021.01); **C25B 15/00** (2006.01)

CPC (source: EP KR US)

C25B 1/46 (2013.01 - EP KR US); **C25B 11/052** (2021.01 - EP KR US); **C25B 11/061** (2021.01 - EP KR US); **C25B 11/091** (2021.01 - EP US); **C25B 11/093** (2021.01 - KR); **C25B 15/00** (2013.01 - EP KR US)

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

DOCDB simple family (publication)

EP 3597791 A1 20200122; EP 3597791 B1 20211117; CN 112513334 A 20210316; CN 112513334 B 20231222; EP 3824118 A1 20210526; HU E057761 T2 20220628; JP 2021530619 A 20211111; KR 20210032469 A 20210324; PT 3597791 T 20220127; US 2021292922 A1 20210923; WO 2020016122 A1 20200123

DOCDB simple family (application)

EP 18184694 A 20180720; CN 201980048650 A 20190712; EP 19741999 A 20190712; EP 2019068789 W 20190712; HU E18184694 A 20180720; JP 2021502744 A 20190712; KR 20217004643 A 20190712; PT 18184694 T 20180720; US 201917261864 A 20190712