

Title (en)
ELECTRODE BASE, NEGATIVE ELECTRODE FOR AQUEOUS SOLUTION ELECTROLYSIS USING SAME, METHOD FOR PRODUCING THE ELECTRODE BASE, AND METHOD FOR PRODUCING THE NEGATIVE ELECTRODE FOR AQUEOUS SOLUTION ELECTROLYSIS

Title (de)
ELEKTRODENBASIS, NEGATIVE ELEKTRODE ZUR ELEKTROLYSE EINER WÄSSRIGEN LÖSUNG DAMIT, VERFAHREN ZUR HERSTELLUNG DER ELEKTRODENBASIS UND VERFAHREN ZUR HERSTELLUNG DER NEGATIVEN ELEKTRODE ZUR ELEKTROLYSE EINER WÄSSRIGEN LÖSUNG

Title (fr)
BASE D'ÉLECTRODE, ÉLECTRODE NÉGATIVE POUR ÉLECTROLYSE D'UNE SOLUTION AQUEUSE L'UTILISANT, PROCÉDÉ DE PRODUCTION DE LA BASE D'ÉLECTRODE ET PROCÉDÉ DE PRODUCTION DE L'ÉLECTRODE NÉGATIVE POUR ÉLECTROLYSE D'UNE SOLUTION AQUEUSE

Publication
EP 2537961 A4 20160907 (EN)

Application
EP 11744717 A 20110217

Priority

- JP 2010032578 A 20100217
- JP 2011053418 W 20110217

Abstract (en)
[origin: EP2537961A1] The negative electrode for aqueous solution electrolysis of the present invention includes a conductive substrate having a nickel surface, a mixture layer including metal nickel, a nickel oxide and carbon atoms, formed on the conductive substrate surface, and an electrode catalyst layer formed on the mixture layer surface, wherein the electrode catalyst layer is formed by a layer including a platinum group metal or a platinum group metal compound. The negative electrode for aqueous solution electrolysis of the present invention is preferably used in electrolysis of an aqueous solution of an alkali metal halide, and the like.

IPC 8 full level
C25B 11/04 (2006.01)

CPC (source: EP US)
C25B 11/091 (2021.01 - EP US)

Citation (search report)

- [XYI] US 4394231 A 19830719 - NICOLAS EDGARD [BE]
- [XYI] US 4190516 A 19800226 - KAJIMAYA YOSHIHISA [JP], et al
- [Y] US 6312571 B1 20011106 - NARA MIWAKO [JP], et al
- [A] DE 4342859 A1 19950614 - WINSEL AUGUST [DE]
- See references of WO 2011102431A1

Cited by
WO2023012124A1; IL292647B1; IL292647B2; IT202100020735A1

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 2537961 A1 20121226; EP 2537961 A4 20160907; CN 102770587 A 20121107; CN 102770587 B 20150715; JP 2011190534 A 20110929; JP 5006456 B2 20120822; US 2013153411 A1 20130620; WO 2011102431 A1 20110825

DOCDB simple family (application)
EP 11744717 A 20110217; CN 201180010108 A 20110217; JP 2011032365 A 20110217; JP 2011053418 W 20110217; US 201113579092 A 20110217