

Title (en)

CATHODE ELEMENTS FOR A HALL-HÉROULT CELL FOR ALUMINIUM PRODUCTION AND A CELL OF THIS TYPE HAVING SUCH ELEMENTS INSTALLED

Title (de)

KATHODENELEMENTE FÜR EINE HALL-HÉROULT-ZELLE ZUR HERSTELLUNG VON ALUMINIUM UND EINE DERARTIGE ZELLE MIT DERARTIGEN EINGEBAUTEN ELEMENTEN

Title (fr)

ÉLÉMENTS DE CATHODE POUR UNE CELLULE DE HALL-HÉROULT POUR LA PRODUCTION D'ALUMINIUM ET CELLULE DE CE TYPE COMPORTANT DE TELS ÉLÉMENTS INSTALLÉS

Publication

EP 3765656 A1 20210120 (EN)

Application

EP 19710349 A 20190304

Priority

- NO 20180369 A 20180314
- EP 2019055300 W 20190304

Abstract (en)

[origin: WO2019174948A1] A cathode element (1 ') for an electrolysis cell of Hall-Heroult type for producing aluminium, comprises a body (4) of calcinated carbonaceous material connected with the upper side of a metallic collector plate (2). A space between the said carbonaceous body and the collector plate being filled with an electric conductive material preferably comprising conductive particles. The collector plate (2) further can comprise at least one horizontal outlet (5, 5') on at least one side and/or at least one vertical metallic current outlet (7) connected to the lower side of the collector plate (2). In one embodiment the collector plate is divided in two sections (20; 20). The invention also relates to a cell of Hall-Heroult type utilizing such cathode elements (1).

IPC 8 full level

C25C 3/08 (2006.01)

CPC (source: EP NO US)

C25C 3/08 (2013.01 - EP NO US); **C25C 3/16** (2013.01 - NO US); **C25C 7/02** (2013.01 - US)

Citation (search report)

See references of WO 2019174948A1

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)

WO 2019174948 A1 20190919; AU 2019235250 A1 20200709; AU 2019235250 B2 20231123; BR 112020015021 A2 20210119; CA 3087116 A1 20190919; EA 202092170 A1 20210119; EP 3765656 A1 20210120; NO 20180369 A1 20190916; NZ 765670 A 20230331; US 2020332427 A1 20201022

DOCDB simple family (application)

EP 2019055300 W 20190304; AU 2019235250 A 20190304; BR 112020015021 A 20190304; CA 3087116 A 20190304; EA 202092170 A 20190304; EP 19710349 A 20190304; NO 20180369 A 20180314; NZ 76567019 A 20190304; US 201916959263 A 20190304