

Title (en)

CATHODE ASSEMBLY HAVING A CATHODE BLOCK HAVING A SLOT WITH VARYING DEPTH AND A SECURING SYSTEM

Title (de)

KATHODENANORDNUNG MIT KATHODENBLOCK MIT EINER NUT MIT VARIIERENDER TIEFE UND EINER FIXIEREINRICHTUNG

Title (fr)

AGENCEMENT DE CATHODE AVEC BLOC CATHODIQUE MUNI D'UNE RAINURE DE PROFONDEUR VARIABLE ET D'UN DISPOSITIF DE FIXATION

Publication

**EP 3546620 B1 20211222 (DE)**

Application

**EP 19166841 A 20140425**

Priority

- DE 102013207737 A 20130426
- EP 14721300 A 20140425
- EP 2014058478 W 20140425

Abstract (en)

[origin: CA2910233A1] A cathode block for an aluminum electrolysis cell based on carbon and/or graphite has at least one slot for receiving at least one bus bar, said slot extending in the longitudinal direction of the cathode block, wherein at least one of the at least one slot has a depth that varies when viewed over the length of the cathode block, and wherein at least one recess which extends horizontally in the longitudinal direction of the cathode block is provided in the cathode block wall bordering the at least one slot. According to another embodiment, a cathode block for an aluminum electrolysis cell based on carbon and/or graphite has at least one slot for receiving at least one bus bar, said slot extending in the longitudinal direction of the cathode block, wherein at least one of the at least one slot has a depth that varies when viewed over the length of the cathode block, and wherein this slot is bordered by a wall, at least one projection that projects into the slot being provided on said wall.

IPC 8 full level

**C25C 3/08** (2006.01); **C25C 3/16** (2006.01)

CPC (source: EP RU)

**C25C 3/08** (2013.01 - EP RU); **C25C 3/16** (2013.01 - EP)

Citation (examination)

- DE 2631673 B2 19770915
- EP 0052577 B1 19840215

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)

**DE 102013207737 A1 20141030**; CA 2910233 A1 20141030; CA 2910233 C 20180116; CN 105247109 A 20160113; CN 105247109 B 20180605; EP 2989235 A1 20160302; EP 2989235 B1 20190612; EP 2989235 B9 20231115; EP 3546620 A1 20191002; EP 3546620 B1 20211222; JP 2016516905 A 20160609; JP 6808485 B2 20210106; PL 2989235 T3 20191031; PL 3546620 T3 20220328; RU 2015150375 A 20170602; RU 2020114123 A 20200610; RU 2020114123 A3 20211122; RU 2727621 C2 20200722; UA 117481 C2 20180810; WO 2014174089 A1 20141030

DOCDB simple family (application)

**DE 102013207737 A 20130426**; CA 2910233 A 20140425; CN 201480023590 A 20140425; EP 14721300 A 20140425; EP 19166841 A 20140425; EP 2014058478 W 20140425; JP 2016509493 A 20140425; PL 14721300 T 20140425; PL 19166841 T 20140425; RU 2015150375 A 20140425; RU 2020114123 A 20140425; UA A201511659 A 20140425