

Title (en)

CATHODE BOTTOM FOR PRODUCING ALUMINUM

Title (de)

KATHODENBODEN ZUR HERSTELLUNG VON ALUMINIUM

Title (fr)

FOND SERVANT DE CATHODE DESTINÉ À LA FABRICATION D'ALUMINIUM

Publication

EP 3350358 A1 20180725 (DE)

Application

EP 16766325 A 20160916

Priority

- DE 102015011952 A 20150918
- EP 2016072048 W 20160916

Abstract (en)

[origin: WO2017046376A1] The invention relates to a cathode bottom, to a method for the production thereof, and to the use thereof in an electrolytic cell for producing aluminum. The cathode bottom (1) comprises at least two cathode blocks (7) and/or at least one cathode block (7) and at least one sidewall block, which are arranged at a distance from each other, wherein the gap (5) is filled with a pre-compressed graphite plate (3), composed of expanded graphite and a graphite intercalation compound.

IPC 8 full level

C25C 3/08 (2006.01)

CPC (source: EP RU US)

C25C 3/08 (2013.01 - EP RU US); **Y10S 277/938** (2013.01 - US)

Citation (search report)

See references of WO 2017046376A1

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)

DE 102015011952 A1 20170323; CN 108350587 A 20180731; CN 108350587 B 20200407; EP 3350358 A1 20180725; EP 3350358 B1 20190814; JP 2018527468 A 20180920; JP 6629433 B2 20200115; PL 3350358 T3 20191231; RU 2018113972 A 20191018; RU 2018113972 A3 20191018; RU 2707304 C2 20191126; UA 120662 C2 20200110; US 2018282888 A1 20181004; WO 2017046376 A1 20170323

DOCDB simple family (application)

DE 102015011952 A 20150918; CN 201680066627 A 20160916; EP 16766325 A 20160916; EP 2016072048 W 20160916; JP 2018514359 A 20160916; PL 16766325 T 20160916; RU 2018113972 A 20160916; UA A201804202 A 20160916; US 201615760808 A 20160916