Title (en)

CATHODE BLOCK HAVING A SLOT WITH A VARYING DEPTH AND A FILLED INTERMEDIATE SPACE

Title (de)

KATHODENBLOCK MIT EINER NUT MIT VARIIERENDER TIEFE UND GEFÜLLTEM ZWISCHENRAUM

Title (fr)

BLOC CATHODIQUE POURVU D'UNE RAINURE À PROFONDEUR VARIABLE ET D'UN ESPACE INTERMÉDIAIRE REMPLI

Publication

EP 2989234 A1 20160302 (DE)

Application

EP 14720118 A 20140428

Priority

- DE 102013207738 A 20130426
- EP 2014058554 W 20140428

Abstract (en)

[origin: CA2910088A1] A cathode block for an aluminium electrolysis cell based on carbon and/or graphite, wherein the cathode block has at least one slot which extends in the longitudinal direction of the cathode block, wherein at least one of the at least one slots has a depth which varies, as seen over the length of the cathode block, and at least one busbar is provided in the at least one slot, wherein the intermediate space between the at least one busbar and the wall which bounds the at least one slot with a varying depth is at least partially filled with steel.

IPC 8 full level

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

CPC (source: EP RU)

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

Citation (search report)

See references of WO 2014174108A1

Citation (examination)

WO 2012027809 A1 20120308 - INCOTEP IND E COM DE TUBOS ESPECIAIS DE PRECISAO LTDA [BR], et al

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 102013207738 A1 20141030; CA 2910088 A1 20141030; CA 2910088 C 20180123; CN 105247110 A 20160113; EP 2989234 A1 20160302; JP 2016520720 A 20160714; JP 6612737 B2 20191127; RU 2015150377 A 20170602; RU 2642815 C2 20180126; UA 118349 C2 20190110; WO 2014174108 A1 20141030

DOCDB simple family (application)

DE 102013207738 A 20130426; CA 2910088 A 20140428; CN 201480023606 A 20140428; EP 14720118 A 20140428; EP 2014058554 W 20140428; JP 2016509497 A 20140428; RU 2015150377 A 20140428; UA A201511662 A 20140428