

Title (en)

CATHODE BOTTOM, METHOD FOR PRODUCING A CATHODE BOTTOM, AND USE OF THE SAME IN AN ELECTROLYTIC CELL FOR PRODUCING ALUMINUM

Title (de)

KATHODENBODEN, VERFAHREN ZUR HERSTELLUNG EINES KATHODENBODENS UND VERWENDUNG DESSELBEN IN EINER ELEKTROLYSEZELLE ZUR HERSTELLUNG VON ALUMINIUM

Title (fr)

PLANCHER FORMANT CATHODE, PROCÉDÉ DE PRODUCTION D'UN PLANCHER FORMANT CATHODE, ET UTILISATION DUDIT PLANCHER DANS UNE CELLULE D'ÉLECTROLYSE POUR LA PRODUCTION D'ALUMINIUM

Publication

EP 2440688 A1 20120418 (DE)

Application

EP 10721169 A 20100601

Priority

- EP 2010057667 W 20100601
- DE 102009024881 A 20090609

Abstract (en)

[origin: WO2010142580A1] The present invention relates to a cathode bottom (1) for an electrolytic cell for producing aluminum, comprising a material (3), which can be arranged on at least one cathode block (7), characterized in that the material (3) comprises a pre-compressed plate based on expanded graphite. The present invention further relates to a method for producing a cathode bottom (1), comprising the following method steps: providing at least one cathode block (7), arranging a material (3) on at least one surface of the at least one cathode block (7), wherein the material (3) comprises at least one pre-compressed plate based on expanded graphite. The cathode bottom (1) is used in an electrolytic cell for producing aluminum.

IPC 8 full level

C25C 3/08 (2006.01)

CPC (source: EP US)

C25C 3/08 (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US)

Citation (search report)

See references of WO 2010142580A1

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010142580 A1 20101216; AU 2010257604 A1 20111110; AU 2010257604 B2 20150528; BR PI1011421 A2 20160315; BR PI1011421 B1 20191008; CA 2757336 A1 20101216; CA 2757336 C 20171121; CN 102449202 A 20120509; CN 102449202 B 20160928; DE 102009024881 A1 20101216; EP 2440688 A1 20120418; EP 2440688 B1 20181121; EP 2440688 B8 20190227; JP 2012529567 A 20121122; JP 5832996 B2 20151216; PL 2440688 T3 20190731; RU 2011138837 A 20130327; RU 2567777 C2 20151110; UA 109767 C2 20151012; US 2012085639 A1 20120412; ZA 201106928 B 20121227

DOCDB simple family (application)

EP 2010057667 W 20100601; AU 2010257604 A 20100601; BR PI1011421 A 20100601; CA 2757336 A 20100601; CN 201080023438 A 20100601; DE 102009024881 A 20090609; EP 10721169 A 20100601; JP 2012514422 A 20100601; PL 10721169 T 20100601; RU 2011138837 A 20100601; UA A201112168 A 20100601; US 201013377245 A 20100601; ZA 201106928 A 20110922