

Title (en)
CATHODE ASSEMBLY WITH METALLIC COLLECTOR BAR FOR ELECTROLYTIC CELL SUITABLE FOR THE HALL-HÉROULT PROCESS

Title (de)
KATHODENANORDNUNG MIT METALLISCHER SAMMELSCHIENE FÜR EINE ELEKTROLYSEZELLE, DIE FÜR DEN HALL-HÉROULT-PROZESS GEEIGNET IST

Title (fr)
ENSEMBLE CATHODE AVEC BARRE COLLECTRICE MÉTALLIQUE POUR CELLULE D'ÉLECTROLYSE SE PRÊTANT AU PROCÉDÉ HALL-HÉROULT

Publication
EP 3571333 A4 20200909 (EN)

Application
EP 18741304 A 20180118

Priority
• GB 201701067 A 20170123
• IB 2018050300 W 20180118

Abstract (en)
[origin: GB2558936A] The cathode assembly (C) comprises: a cathode body (1) made of a carbonaceous material, and at least one cathode collector bar (3, 3') made of a metallic material. The cathode body (1) being having at least one slot (17, 17'), said slot being provided with side walls (171, 172, 171', 172') parallel to a longitudinal direction (A17, A17') of said slot. The cathode bar being provided with side walls (33, 34), which are in contact with said side walls of said slot. The cathode bar comprises two bar elements (7, 9), each bar element being provided with a main side wall (73, 93) which is in contact with a respective side wall (171, 172) of said slot, as well as a tapered wall (77, 97), the two tapered walls of said bar elements forming a contact line (37) between these two bar elements.

IPC 8 full level
C25C 3/08 (2006.01); **C25C 3/16** (2006.01)

CPC (source: EP GB)
C25C 3/08 (2013.01 - EP GB); **C25C 3/16** (2013.01 - EP GB)

Citation (search report)
• [A] GB 1065080 A 19670412 - REYNOLDS METALS CO
• [A] CN 2892888 Y 20070425 - GUIYANG ALUMINOUS & MAGNESIUM [CN]
• [A] US 5976333 A 19991102 - PATE RAY H [US]
• See also references of WO 2018134754A1

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)
GB 201701067 D0 20170308; **GB 2558936 A 20180725**; CA 3049822 A1 20180726; CA 3049822 C 20240326; EP 3571333 A1 20191127; EP 3571333 A4 20200909; EP 3571333 B1 20210818; PL 3571333 T3 20211227; WO 2018134754 A1 20180726

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GB 201701067 A 20170123; CA 3049822 A 20180118; EP 18741304 A 20180118; IB 2018050300 W 20180118; PL 18741304 T 20180118