

Title (en)

CATHODE BLOCK FOR ELECTROLYTIC CELL SUITABLE FOR THE HALL-HÉROULT PROCESS

Title (de)

KATHODENBLOCK FÜR ELEKTROLYSEZELLE FÜR HALL-HÉROULT-PROZESS

Title (fr)

BLOC DE CATHODE POUR CELLULE ÉLECTROLYTIQUE CONVENANT POUR LE PROCÉDÉ HALL/HÉROULT

Publication

EP 3277864 A4 20180905 (EN)

Application

EP 16771479 A 20160322

Priority

- GB 201505435 A 20150330
- IB 2016051592 W 20160322

Abstract (en)

[origin: GB2536901A] A cathode element suitable for use in a Hall-Héroult electrolysis cell is described. The element comprises: a cathode block 10 constructed of a carbonaceous material, one (or more) metallic connection bar (s) 13 made of copper or copper alloys. The metallic connection bar 13 is fitted into a groove or bore in direct contact with the carbonaceous material, and where the carbonaceous material can be the carbonaceous material of said cathode block 10, or an intermediate carbonaceous material 17 that is in direct contact with the carbonaceous material of said cathode block 10. The intermediate carbonaceous material may be compressed expanded graphite and/or a cured carbonaceous seal which comprises graphite particles.

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)

- [XYI] RU 2209856 C1 20030810 - LEONOV VIKTOR VASIL EVICH, et al
- [IY] WO 2014003571 A1 20140103 - NORSE HYDRO AS [NO]
- [YD] US 6231745 B1 20010515 - HOMLEY GRAHAM E [US], et al
- [A] US 3390071 A 19680625 - MCMINN CURTIS J, et al
- See references of WO 2016157021A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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