

Title (en)

ALUMINIUM ELECTROWINNING CELL WITH METAL-BASED CATHODES

Title (de)

ALUMINIUM-ELEKTROEXTRAKTIONSZELLE MIT KATHODEN AUF METALLBASIS

Title (fr)

CELLULE D'EXTRACTION ÉLECTROLYTIQUE D'ALUMINIUM AVEC DES CATHODES À BASE DE MÉTAL

Publication

EP 2140044 B1 20110112 (EN)

Application

EP 08737543 A 20080422

Priority

- IB 2008001031 W 20080422
- IB 2007001177 W 20070425

Abstract (en)

[origin: WO2008132590A2] A cell for the electrowinning of aluminium has one or more anodes (10) facing at least one cathode (20). This cathode comprises: a cathode body (25) made predominantly of at least one hard metal selected from tungsten and molybdenum; and a surface of carbide (26,27) of this hard metal which is integral with the body or which is formed by a layer bonded to the body. The carbide surface forms a cathodic operative surface on which during use aluminium (9) is produced or forms an anchorage surface for an aluminium-wettable ceramic layer (28,29) on which during use aluminium is produced.

IPC 8 full level

C25C 3/08 (2006.01)

CPC (source: EP)

C25C 3/08 (2013.01)

Cited by

EP3348676A4; EP3348676B1

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