Title (en)

AN ANODE FOR USE IN AN ELECTROLYSIS PROCESS FOR PRODUCTION OF ALUMINIUM IN CELLS OF HALL-HEROULT TYPE, AND A METHOD FOR MAKING SAME

Title (de)

ANODE ZUR VERWENDUNG IN EINEM ELEKTROLYSEVERFAHREN ZUR HERSTELLUNG VON ALUMINIUM IN ZELLEN VOM HALL-HEROULT-TYP UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ANODE DESTINÉE À ÊTRE UTILISÉE DANS UN PROCÉDÉ D'ÉLECTROLYSE POUR LA PRODUCTION D'ALUMINIUM DANS DES CELLULES DU TYPE HALL-HÉROULT ET PROCÉDÉ PERMETTANT DE FABRIQUER CETTE DERNIÈRE

Publication

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Application

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Abstract (en)

[origin: WO2016130014A1] An anode for use in an electrolysis process for production of aluminium in cells of Hail- Héroult type, the anode comprises a body or block (120; 20) of calcinated carbonaceous material connected with an electrical current lead, where said current lead being connected with an anode rod (103; 3) and further being part of an anode hanger (101; 1). The current lead comprises at least one metallic suspension plate(s) (104; 4. 4') with vertically oriented redding plates (105 105'",5, 5') at least partly embedded by their lower partly in corresponding recesses (113, 113'", 13. 13'; 100, 100') in the top of the carbonaceous block (120; 20} and further connected by mechanical fixation means (108; 8; 14, 16). Said recesses are wider than the rodding plates and being filled with an electric conductive particulate material only. It Is also described a method for processing an undercut recess (10) in the anode top for mechanically fixing the anode block (20) to a protrusion (8) on the current lead.

IPC 8 full level

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CPC (source: EA EP US)

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