

Title (en)

ANODE FOR A METAL ELECTROWINNING PROCESS

Title (de)

ANODE FÜR EIN METALLELEKTROGEWINNUNGSVERFAHREN

Title (fr)

ANODE POUR PROCÉDÉ D'EXTRACTION ÉLECTROLYTIQUE DE MÉTAL

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Application

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Abstract (en)

[origin: WO2017064485A1] The present invention relates to an electrowinning anode system comprising an anode electrode mechanically supported by an electrically non-conducting anode hanger bar. The anode hanger bar may be made of high mechanical strength, low density material and have a load-bearing structure. In one embodiment, the anode electrode comprises a pair of titanium meshes (210) which are electrically and mechanically connected to a plurality of vertical current distribution bars (211), the distribution bars being mechanically coupled to the anode hanger bar (314) and electrically connected to a power electronics unit (315) by electrical conductors (316) which have no load-bearing function. The invention further relates to an electrowinning cell comprising the anode system and the use of the cell in a method of electrowinning of a metal from an electrolyte solution containing the metal in ionic form.

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