

Title (en)

ANODE FOR ELECTROWINNING AND ELECTROWINNING METHOD USING SAME

Title (de)

ANODE FÜR ELEKTROEXTRAKTION UND ELEKTROEXTRAKTIONSVERFAHREN DAMIT

Title (fr)

ANODE D'EXTRACTION ÉLECTROLYTIQUE ET PROCÉDÉ D'EXTRACTION ÉLECTROLYTIQUE L'UTILISANT

Publication

EP 2690200 A1 20140129 (EN)

Application

EP 12763572 A 20120323

Priority

- JP 2011067365 A 20110325
- JP 2012057426 W 20120323

Abstract (en)

Provided is an anode for electrowinning in a sulfuric acid based electrolytic solution. The anode produces oxygen at a lower potential than a lead electrode, lead alloy electrode, and coated titanium electrode, thereby enabling electrowinning to be performed at a reduced electrolytic voltage and the electric power consumption rate of a desired metal to be reduced. The anode is also available as an anode for electrowinning various types of metals in volume with efficiency. The anode is employed for electrowinning in a sulfuric acid based electrolytic solution and adopted such that a catalyst layer containing amorphous ruthenium oxide and amorphous tantalum oxide is formed on a conductive substrate.

IPC 8 full level

C25C 7/02 (2006.01)

CPC (source: EP US)

C25C 1/08 (2013.01 - US); **C25C 1/12** (2013.01 - US); **C25C 1/16** (2013.01 - US); **C25C 7/02** (2013.01 - EP US)

Cited by

EP2757181A4; CN105980845A; EP3106866A4; EP3312601A1; US9556534B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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