

Title (en)

ALUMINIUM ELECTROWINNING CELLS HAVING A DRAINED CATHODE BOTTOM AND AN ALUMINIUM COLLECTION RESERVOIR

Title (de)

ELEKTROLYSEZELLEN ZUR ALUMINIUMGEWINNUNG MIT DRAINIERTEM KATHODENBODEN UND EINEM RESERVOIR FÜR ALUMINIUM

Title (fr)

ENCEINTES D'ELECTRO-EXTRACTION D'ALUMINIUM COMPRENANT UN FOND DE CATHODE DRAINE ET UN RESERVOIR DE COLLECTE D'ALUMINIUM

Publication

EP 1392891 B1 20041006 (EN)

Application

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Priority

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- IB 0100956 W 20010530

Abstract (en)

[origin: WO02097168A1] A cell for the electrowinning of aluminium comprises a plurality of anodes, in particular oxygen-evolving anodes (10), facing a series of pairs of cathode blocks (25), in particular graphite blocks, with aluminium-wettable drained cathode surfaces (20) placed across the cell and a longitudinal aluminium collection recess (35) which is located between the cathode blocks (25) and which extends along the cell and is at a lower level than the drained cathode surfaces (20) so that during use aluminium produced on the drained cathode surfaces (20) drains into the aluminium collection recess (35). The aluminium collection recess (35) is defined by a separate reservoir body, in particular an anthracite body, which is placed between the cathode blocks (25) and spaces them apart across the cell. The reservoir body (30) extends along the cell and has preferably a U-shaped cross-section across the cell.

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C25C 3/08

IPC 8 full level

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