

Title (en)
ALUMINIUM SMELTER COMPRISING A COMPENSATING ELECTRIC CIRCUIT

Title (de)
ALUMINIUMSCHMELZEREI MIT ELEKTRISCHER AUSGLEICHSSCHALTUNG

Title (fr)
ALUMINERIE COMPRENANT UN CIRCUIT ÉLECTRIQUE DE COMPENSATION

Publication
EP 3030695 B1 20181017 (FR)

Application
EP 14834860 A 20140730

Priority
• FR 1301910 A 20130809
• CA 2014050722 W 20140730

Abstract (en)
[origin: WO2015017924A1] This aluminium smelter comprises a line of cells (50) arranged transversely with respect to the length of the line, one of the cells (50) comprising an anode (52), riser and connecting electrical conductors (54) extending upwards along two opposite longitudinal edges of the cell (50) in order to conduct the electrolysis current to the anode (52), and a cathode (56) passed through by cathode conductors (55) connected to cathode leads connected to routing conductors for routing the electrolysis current to riser and connecting electrical conductors of the following cell (50). Furthermore, the aluminium smelter comprises a compensating electric circuit, different from the electric circuit travelled through by the electrolysis current, extending underneath the cells (50) and possibly being travelled through by a compensating current circulating under the cells (50) in the reverse direction to the overall circulation direction of the electrolysis current.

IPC 8 full level
C25C 3/16 (2006.01); **C25C 3/20** (2006.01)

CPC (source: EP US)
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