

Title (en)

PROCESS AND DEVICE FOR SUPPRESSING MAGNETIC DISTURBANCES IN ELECTROLYTIC CELLS

Publication

EP 0047246 B1 19850123 (FR)

Application

EP 80902175 A 19801104

Priority

FR 7928132 A 19791107

Abstract (en)

[origin: WO8101299A1] Process and device for the suppression of magnetic disturbances in series of igneous electrolysis cells, for the production of aluminum, arranged transversally with respect to the axis of the series, operating with currents ranging from 200000 to 300000 amperes. It comprises the removal of the cathode current by a plurality of conductor elements (20) sealed in the cathode block and coming out vertically through the bottom of the vat, and the tapping off from 30 to 54% of the total cathode current in the connection conductor (8) arranged, at least on one portion of their path, outside the two vertical planes passing by the extremities of the anode system.

IPC 1-7

C25C 3/16

IPC 8 full level

C25C 3/16 (2006.01); **C25C 7/06** (2006.01)

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