Title (en)

FUSED BATH ELECTROLYSIS CELL FOR PRODUCING ALUMINIUM BY HALL-HEROULT PROCESS COMPRISING COOLING MEANS

Title (de)

SCHMELZFLUSSELEKTROLYSEOFEN MIT KÜHLVORRICHTUNG FÜR DIE HERSTELLUNG VON ALUMINIUM

Title (fr)

CUVE D'ELECTROLYSE IGNEE POUR LA PRODUCTION D'ALUMINIUM PAR LE PROCEDE HALL-HEROULT COMPRENANT DES MOYENS DE REFROIDISSEMENT

Publication

EP 1070158 A1 20010124 (FR)

Application

EP 99911893 A 19990407

Priority

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- FR 9805040 A 19980416

Abstract (en)

[origin: FR2777574A1] Electrolysis comprises a steel caisson, some inner coating elements and a cathode assembly. The cell incorporates cooling system that blows localized jets of air distributed around the caisson, advantageously at a variable rate, to allow the evacuation and dissipation of the thermal energy generated in the electrolysis cell. An Independent claim is given for an aluminum production unit incorporating these electrolysis cells, in which the cooling system is applied individually or in common with two or more such cells.

IPC 1-7

C25C 3/06; C25C 3/20

IPC 8 full level

C25C 3/06 (2006.01); **C25C 3/20** (2006.01)

CPC (source: EP US)

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