

Title (en)

BUS BAR ARRANGEMENT FOR ELECTROLYSIS CELLS

Publication

EP 0072778 B1 19861015 (DE)

Application

EP 82810337 A 19820811

Priority

- CH 532081 A 19810818
- DE 3133049 A 19810821

Abstract (en)

[origin: DE3133049C1] A rail arrangement conducts the electrical direct current from a transversely positioned electrolysis cell (10), particularly for producing aluminium, to the cross member (38) of the next cell (12). The inherent magnetic field of the cell (10) is virtually completely compensated for if at least in each case two cathode (18) or connecting rails (20, 22) connected individually or group by group at the upstream cathode bar ends (16) lead to a connecting rail (28, 42) of the downstream cathode bar ends (30) or to a riser line (36, 40). A part of the connecting rails (20) passes completely under the cell at the cell centre and the other part also extends underneath the cell into the area of the longitudinal cell axis (L), then along this axis past the end face (24) and finally along the cell. <IMAGE>

IPC 1-7

C25C 3/16

IPC 8 full level

C25C 3/16 (2006.01)

CPC (source: EP US)

C25C 3/16 (2013.01 - EP US)

Cited by

EP0185822A1; EP0371653A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0072778 A1 19830223; EP 0072778 B1 19861015; AU 8694882 A 19830224; CA 1178241 A 19841120; CH 656152 A5 19860613; DE 3133049 C1 19830407; US 4396483 A 19830802; ZA 825805 B 19830629

DOCDB simple family (application)

EP 82810337 A 19820811; AU 8694882 A 19820806; CA 409506 A 19820816; CH 532081 A 19810818; DE 3133049 A 19810821; US 40588882 A 19820806; ZA 825805 A 19820811