Title (en)

Busbar arrangement for transversely disposed electrolysis cells.

Title (de)

Stromschienenanordnung für querliegende Elektrolysezellen.

Title (fr)

Système de barres de conduction de courant pour cuves d'électrolyse placées transversalement.

Publication

EP 0371653 A1 19900606 (EN)

Application

EP 89311793 A 19891115

Priority

NO 885292 A 19881128

Abstract (en)

A potline for the electrolytic production of aluminium which provides compensation for the unwanted magnetic influence between two or more rows of transversely arranged aluminium electrolysis cells. Electric current is conducted from the rear side of a cell in a row to the next cell and also around or under the short ends of the cell. The busbars are arranged unsymmetrically relative to the centre line of the cell row and one or more of the busbars underneath the cell are disposed at an angle (alpha) to the centre line of the row of cells.

IPC 1-7

C25C 3/06; C25C 3/16

IPC 8 full level

C25C 3/16 (2006.01)

CPC (source: EP)

C25C 3/16 (2013.01)

Citation (search report)

- [A] FR 2416276 A1 19790831 - INST ALJUMINIEVOI [SU]
- [A] EP 0072778 A1 19830223 - ALUSUISSE [CH]
- [AD] US 4194958 A 19800325 - NEBELL HANS G T [NO]

Cited by

WO2008120993A1; AU2005285702B2; AU2008233392B2; EA016404B1; US8070921B2; WO2016105204A1; US10689770B2; WO2006033578A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0371653 A1 19900606; **EP 0371653 B1 19930113**; AU 4262189 A 19900531; AU 623439 B2 19920514; BR 8905984 A 19900619; CN 1023413 C 19940105; CN 1043163 A 19900620; DE 68904406 D1 19930225; DE 68904406 T2 19930624; ES 2038416 T3 19930716; NO 166657 B 19910513; NO 166657 C 19910821; NO 885292 D0 19881128; NO 885292 L 19900529; NZ 230814 A 19921028; RU 1833438 C 19930807

DOCDB simple family (application)

EP 89311793 A 19891115; AU 4262189 A 19891005; BR 8905984 A 19891128; CN 89108211 A 19891023; DE 68904406 T 19891115; ES 89311793 T 19891115; NO 885292 A 19881128; NZ 23081489 A 19890928; SU 4742418 A 19891127