

Title (en)

Bus bars arrangement for electrolytic cells.

Title (de)

Schienenanordnung für Elektrolysezellen.

Title (fr)

Agencement de barres d'amenée de courant pour cellules d'electrolyse.

Publication

**EP 0097613 A1 19840104 (DE)**

Application

**EP 83810225 A 19830531**

Priority

CH 383882 A 19820623

Abstract (en)

[origin: US4474611A] An asymmetric arrangement of busbars for conducting direct electric current is conducted from the cathode bar ends of a transversely disposed aluminum fused salt reduction cell to the anode beam of the next cell wherein a fraction of the busbars connected to the cathode bar ends on the upstream side of the cell are led under the cell such that the busbar configuration in the cathodic part of the cell is such that the variation in the asymmetry of the current leading the cell from the upstream cathode bar ends lies between 3 and 30%.

Abstract (de)

In einer asymmetrischen Schienenanordnung wird der elektrische Gleichstrom von den Kathodenbarrenenden (12, 14) einer quergestellten Aluminiumschmelzflusselektrolysezelle (10) zur Traverse (16) der Folgezelle (36) geleitet. Ein Teil der mit den stromauf liegenden Kathodenbarrenenden (12) verbundenen Stromschienen (18) führt unter Elektrolysezelle (10) durch. Die Schienenkonfiguration im kathodischen Teil der Elektrolysezelle (10) ist derart konzipiert, dass die Variation der Asymmetrie des aus den stromauf liegenden Kathodenbarrenenden (12) austretenden Stromes zwischen 3 und 30% liegt.

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)

Citation (search report)

- [A] FR 2333060 A1 19770624 - PECHINEY ALUMINIUM [FR]
- [A] GB 2027056 A 19800213 - ALUSUISSE

Cited by

EP0185822A1; EP0345959A1; FR2789407A1; WO0046429A1

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