Title (en)

A CATHODE PLATE DEVICE

Title (de)

KATHODENPLATTE

Title (fr)

DISPOSITIF DE PLAQUE DE CATHODE

Publication

EP 3814550 A4 20220330 (EN)

Application

EP 19826115 A 20190627

Priority

- SE 1850822 A 20180629
- SE 2019050629 W 20190627

Abstract (en)

[origin: WO2020005147A1] The present invention relates to an edge protection (7) intended to be used in electrolysis for purification of copper, wherein an anode and a cathode are immersed in an electrolytic solution (2) and wherein current is supplied to the cathode (1), which is a negative pole, and the anode is a positive pole, whereby impure copper, after collecting electrons, becomes pure copper and sticks to the cathode (1), which is an outspread plate formation, wherein the edge protection (7) in use is placed over and around an edge (9) at at least one free side (5,6) of the cathode plate (1). The edge protection (7) comprises at least an elongated first portion (11) mounted to the cathode (1) for receiving and retaining at least a second elongated portion (12), which covers the edge of the cathode at a surface area (10) on each side (5,6) of the cathode plate (1), on each side (19,20) of the cathode plate's (1) edge, and an edge surface (9), substantially perpendicularly arranged relative to the cathode plate surfaces (10).

IPC 8 full level

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CPC (source: EP SE)

C25C 1/12 (2013.01 - EP SE); **C25C 7/02** (2013.01 - EP SE)

Citation (search report)

- [XI] EP 0082221 A1 19830629 - BERGER PETER
- [XI] CN 206562467 U 20171017 - SHANDONG QINGLYV METAL CO LTD
- See also references of WO 2020005147A1

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