

Title (en)

CATHODE FOR THE ELECTROLYTIC REFINING OF COPPER, AND PROCESS FOR ITS MANUFACTURE

Publication

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Application

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Abstract (en)

[origin: US4670124A] A cathode for use in the electrolytic refining of copper which comprises a carrying bar and a flat starting plate, which is secured to the carrying bar and made of special steel and provided with electrically insulating edge strips at least at its vertical longitudinal edges, which are formed in their edge faces with a groove, which contains an edge strip, that is made of a natural or synthetic polymer and fits into said groove and protrudes from the edge throughout its length. To prevent a deposition of metal in the critical region, the insulating edge strip which has been fitted into the dovetail groove has been formed by a longitudinal folding of a polymer film and contains at its fold line a wire of special steel, and the side portions of said film are coextensive and lie one over the other and are liquid-tightly joined to each other. The invention relates also to a process of manufacturing the cathode.

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