

Title (en)
ELECTRODE STRUCTURE FOR ELECTROCHEMICAL CELLS

Publication
EP 0203224 B1 19890405 (DE)

Application
EP 85116337 A 19851220

Priority
DE 3519272 A 19850530

Abstract (en)
[origin: EP0203224A1] 1. Electrode for electrochemical cells, in particular for diaphragm or membrane cells, having a structure permitting optimum gas transport out of the region of the electro chemical reaction, which contains a plate-like carrier (1) of sheet metal of a thickness of at least 0,4 mm and acting as a current distributor, wherein the carrier (1) has on both sides at least two corrugations (3) extending over each of its top and bottom surfaces and on the top and bottom surfaces of which at least one plate-like electrode element (2) is welded in bridge-like manner on to the crest of the corrugation (3), characterized in that the side surfaces of the corrugations (3) subtend an acute angle and act as welding humps for the plate-like electrode elements (2), that for the purpose of forming a lamellar structure, a plurality of plate-like electrode elements (2) are welded by their narrow lateral edges on to the crest of the corrugations (3) and are arranged with the planes of their wide lateral surfaces at right angles to the top and bottom surfaces, respectively, of the carrier (1).

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C25B 11/02; **C25C 7/02**

IPC 8 full level
H01M 4/86 (2006.01); **C25B 11/02** (2006.01); **C25C 7/02** (2006.01)

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