

Title (en)
IMPROVED ELECTRODE PLATE STRUCTURE.

Title (de)
VERBESSERTES ELEKTRODENPLATTENBAUTEIL.

Title (fr)
STRUCTURE AMELIOREE DE PLAQUES D'ELECTRODES.

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Application
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Abstract (en)
[origin: EP0370534A2] The present invention relates to batteries and battery systems. In particular, a battery is described which comprises a container which houses a plurality of cells. Each of the cells share a common negative terminal (4). Two or more positive terminal cells are provided. The specification also describes the use of such batteries to power cranking and auxiliary circuits according to a cell discharge management scheme. Methods of forming such batteries are disclosed in which alternate positive and negative electrode plates are provided and methods of forming such plates are disclosed in which layered structures are provided and by varying the number of layers thick and thin plates can be provided with different discharge characteristics.

Abstract (fr)
Une plaque d'électrodes (10) utile dans des cellules électrochimiques telles que des accumulateurs est formée de couches multiples (11) d'un matériau d'électrode. Chaque couche (11) est pourvue de pores (12) qui traversent la couche (11) ainsi que de plis, de plissement, de stries, d'ondulations ou similaires (13). Chaque couche est agencée sur les autres couches (11) de la plaque (10) et connectée à celles-ci sans couches intercalaires de polarité opposée. L'électrolyte s'écoule dans la plaque (11) par diffusion et/ou par capillarité à travers les pores (12) et entre les couches (11). Dans un autre mode de réalisation, une plaque (10) est formée de grilles stratifiées (15) sur lesquelles on applique une pâte de matériau actif (16). On rassemble ensuite les grilles de manière à former une plaque (10) à couches multiples.

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