

Title (en)

LPCS FORMED COMPOSITE CURRENT COLLECTOR AND METHODS THEREFOR

Title (de)

LPCS-GEFORMTER VERBUNDSTROMABNEHMER UND VERFAHREN DAFÜR

Title (fr)

COLLECTEUR DE COURANT COMPOSITE FORMÉ DE LPCS ET PROCÉDÉS ASSOCIÉS

Publication

**EP 2707918 A2 20140319 (EN)**

Application

**EP 12786018 A 20120511**

Priority

- US 201161485984 P 20110513
- US 2012037469 W 20120511

Abstract (en)

[origin: WO2012158499A2] Contemplated lead acid batteries include a monolithic lead/lead alloy composite foil that is preferably formed by cladding mechanically unstressed lead and lead alloy foils. In such batteries, a light-weight non-conductive grid is placed onto the lead alloy side of the composite foil, which is most preferably pre-treated with a lead-containing adhesive that improves retention of the grid and improves retention and intimate electric contact of the positive active material.

IPC 8 full level

**H01M 4/68** (2006.01); **H01M 4/66** (2006.01); **H01M 4/73** (2006.01); **H01M 4/82** (2006.01); **H01M 10/18** (2006.01); **H01M 10/04** (2006.01)

CPC (source: CN EP)

**H01M 4/661** (2013.01 - CN); **H01M 4/662** (2013.01 - CN); **H01M 4/667** (2013.01 - CN EP); **H01M 4/68** (2013.01 - EP); **H01M 4/685** (2013.01 - EP); **H01M 4/73** (2013.01 - CN EP); **H01M 4/82** (2013.01 - CN EP); **H01M 10/18** (2013.01 - CN EP); **H01M 10/0418** (2013.01 - EP); **H01M 2004/029** (2013.01 - CN EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Designated contracting state (EPC)

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