

Title (en)

HIGH-VOLTAGE BATTERY COMPRISING A CONNECTOR UNIT, AND CONNECTOR UNIT FOR SUCH A BATTERY

Title (de)

HOCHVOLT-BATTERIE MIT VERBINDE-EINHEIT UND VERBINDE-EINHEIT FÜR EINE SOLCHE

Title (fr)

BATTERIE HAUTE TENSION PRÉSENTANT UNE UNITÉ DE CONNEXION, ET UNITÉ DE CONNEXION CORRESPONDANTE

Publication

EP 2064763 A1 20090603 (DE)

Application

EP 07846484 A 20070914

Priority

- EP 2007008011 W 20070914
- AT 6842006 U 20060918

Abstract (en)

[origin: WO2008034560A1] Disclosed is a high-voltage battery comprising a number of cells (2) that are arranged in rows, a support structure (3), and a cover plate on which high-current connectors (24) for the individual cells and a cell monitoring unit (9) are mounted. In order to reduce production, assembly, and logistics costs, the cover plate (6) is embodied as a multilayer printed board encompassing at least two conducting layers (15, 17). The first conducting layer (15) is mounted on the side of the printed board facing the cells (2) and has a considerable thickness in order to form the high-current connectors (24), while the second conducting layer (17) has a small thickness and forms the connecting lines (20) to the cell monitoring unit (9). The two layers (15, 17) are interconnected at certain points by means of conducting bores (19) that penetrate the printed board.

IPC 8 full level

H01M 10/42 (2006.01); **H01M 10/48** (2006.01); **H01M 50/213** (2021.01); **H01M 50/271** (2021.01); **H01M 50/284** (2021.01); **H01M 50/519** (2021.01); **H01R 33/00** (2006.01); **H05K 1/00** (2006.01); **H05K 5/00** (2006.01)

CPC (source: EP KR US)

H01M 10/42 (2013.01 - KR); **H01M 50/213** (2021.01 - EP KR US); **H01M 50/271** (2021.01 - EP KR US); **H01M 50/284** (2021.01 - EP KR US); **H01M 50/50** (2021.01 - KR); **H01M 50/519** (2021.01 - EP KR US); **H01R 33/00** (2013.01 - KR); **H05K 1/0263** (2013.01 - KR); **H05K 1/18** (2013.01 - KR); **H05K 5/00** (2013.01 - KR); **H05K 1/0263** (2013.01 - EP US); **H05K 1/18** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

See references of WO 2008034560A1

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AL BA HR MK RS

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