

Title (en)

BATTERY MANAGEMENT SYSTEM FOR MONITORING AND REGULATING THE OPERATION OF A RECHARGEABLE BATTERY, AND BATTERY SYSTEM WITH SUCH A BATTERY MANAGEMENT SYSTEM.

Title (de)

BATTERIEMANAGEMENTSYSTEM ZUM ÜBERWACHEN UND REGELN DES BETRIEBS EINER NACHLADBAREN BATTERIE UND BATTERIESYSTEM MIT EINEM SOLCHEN BATTERIEMANAGEMENTSYSTEM

Title (fr)

SYSTÈME DE GESTION DE BATTERIE POUR CONTRÔLER ET RÉGULER LE FONCTIONNEMENT D'UNE BATTERIE RECHARGEABLE ET SYSTÈME DE BATTERIE COMPORTANT UN TEL SYSTÈME DE GESTION DE BATTERIE

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Application

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Priority

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Abstract (en)

[origin: WO2015055415A1] The invention relates to a battery management system (1) for monitoring and regulating the operation of a rechargeable battery that has a plurality of electrically interconnected battery modules (3), each of which comprises at least one battery cell (2), wherein the battery management system (1) comprises at least one controller unit (4) and at least one cell monitoring unit (5). The at least one cell monitoring unit (5) is designed to receive data relating to at least one operating parameter of at least one battery cell (2), to detect the received data, and to transmit the detected data to the at least one controller unit (4). Furthermore, the at least one cell monitoring unit (5) is designed to detect at least one fault event with respect to the at least one battery cell (2) and to trigger a deactivation of the battery module (3) comprising the at least one battery cell (2). The invention further relates to a battery system with a plurality of electrically interconnected battery modules (3), each of which comprises at least one battery cell (2), and with a battery management system (1) according to the invention.

IPC 8 full level

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Citation (search report)

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