

Title (en)

BATTERY SYSTEM WITH AT LEAST ONE FAN

Title (de)

BATTERIESYSTEM MIT MINDESTENS EINEM LÜFTER

Title (fr)

SYSTÈME DE BATTERIE POURVU D'AU MOINS UN VENTILATEUR

Publication

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Application

EP 19765187 A 20190828

Priority

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- EP 2019072940 W 20190828

Abstract (en)

[origin: WO2020043768A1] The invention relates to a battery system (200) with a battery housing which comprises a main part (201), a first cover element, and a second cover element (203). The first cover element closes a first open end face of the main part (201), and the second cover element (203) closes a second open end face of the main part (201). The battery system also comprises a battery cell holder (204) which is arranged within the battery housing and has a plurality of battery cells (205). The battery system also comprises a battery management system (109) which is configured to monitor the plurality of battery cells (205) and detect temperatures of the individual battery cells (205). The invention is characterized in that the battery cell holder (204) has at least one cuboid-shaped recess which extends from a third end face (207) of the battery cell holder (204) to a fourth end face (208) of the battery cell holder (204). The third end face (207) of the battery cell holder (204) is arranged in the direction of the first cover element, and the fourth end face (208) of the battery cell holder (204) is arranged in the direction of the second cover element (203). At least one fan (206) is arranged between the first cover element (203) and the battery cell holder (204), and the at least one fan (206) is actuated by the battery management system (109) depending on a threshold being exceeded by the temperature of the individual battery cells (205).

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2020043768A1

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