

Title (en)

BATTERY MODULE HAVING TEMPERATURE-CONTROL CHANNEL ARRANGEMENT

Title (de)

BATTERIEMODUL MIT TEMPERIERKANALANORDNUNG

Title (fr)

MODULE DE BATTERIE PRÉSENTANT UN AGENCEMENT DE CANAUX DE RÉGULATION DE TEMPÉRATURE

Publication

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Application

EP 22728481 A 20220510

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Abstract (en)

[origin: WO2022263059A1] The invention relates to a battery module (1) having a battery housing (10), a plurality of battery cells (20) which are arranged inside the battery housing (10) between a first side (11) and a second side (12) opposite the first side (11), and a temperature-control channel arrangement through which a temperature-control liquid (2) can flow, wherein the temperature-control channel arrangement has a plurality of mutually spaced supply channels (31) which are arranged on the second side (12) of the battery housing (10) and a plurality of mutually spaced discharge channels (41) which are arranged on the first side (11) of the battery housing (10), wherein the supply channels (31) have outlets (34) which are mutually spaced in a direction of longitudinal extension of the supply channels (31), wherein the discharge channels (41) have inlets (44) which are mutually spaced in a direction of longitudinal extension of the discharge channels (40), and wherein fluidically interconnected gaps (4) in the temperature-control channel arrangement are formed between the plurality of battery cells (20), which gaps are fluidically connected to the outlets (34) of the supply channels (31) and to the inlets (44) of the discharge channels (40).

IPC 8 full level

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