Title (en)

BATTERY RECEIVING SYSTEM

Title (de)

BATTERIEAUFNAHMESYSTEM

Title (fr)

SYSTÈME DE RÉCEPTION DE BATTERIE

Publication

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Application

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Abstract (en)

[origin: WO2022223396A1] The present invention relates to a battery receiving system (100) for receiving a plurality of battery cells (101, 101-1, 101-2) in an electrically powered vehicle, comprising a receiving housing (103) for receiving the plurality of battery cells (101, 101-1, 101-2); the plurality of battery cells (101, 101-1, 101-2) received in the receiving housing (103), the battery cells (101, 101-1, 101-2) being arranged in a plurality of battery cell rows (105, 105-1, 105-2, 105-3) positioned in parallel to each other, the battery cells (101, 101-1, 101-2) of the battery cell rows (105, 105-1, 105-2, 105-3) running along a longitudinal direction (121); a plurality of electrical connecting elements (111, 111-1), which electrically interconnect each of two battery cells (101, 101-1, 101-2) of the respective battery cell row (105, 105-1, 105-2, 105-3) that are adjacent along the longitudinal direction (121) in order to provide an electrical series connection of the respective battery cell rows (105, 105-1, 105-2, 105-3); and at least one heat shield element (119, 119-1, 119-2) arranged between two battery cells (101, 101-1, 101-2) of the respective battery cell row (105, 105-1, 105-2, 105-3) that are adjacent along the longitudinal direction (121) and designed to provide a heat protection barrier between the two adjacent battery cells (101, 101-1, 101-2) of the respective battery cell row (105, 105-1, 105-2, 105-3).

IPC 8 full level

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