

Title (en)
BATTERY AND CONNECTING PLATE FOR A BATTERY

Title (de)
BATTERIE UND VERBINDUNGSPLATTE FÜR EINE BATTERIE

Title (fr)
BATTERIE ET PLAQUE DE CONNEXION POUR BATTERIE

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Abstract (en)
[origin: WO2017207697A1] The invention relates to a circuit board (1) for the connection of battery cells (13), composed of a non-conductive substrate with a front side (2) and a rear side, wherein the circuit board (1) has mutually spaced-apart pairs of electrically conductive contacting elements (3), wherein each pair of contacting elements (3) comprises a first contacting element (3) on the front side (2) and a second contacting element (3) on the rear side of the circuit board (1), and wherein each first contacting element (3) is connected in electrically conductive fashion to each second contacting element (3). According to the invention, multiple pairs of contacting elements (3) are in each case surrounded by, and connected in electrically conductive fashion to, an electrically conductive conductor loop (7) arranged in the circuit board (1). The invention also relates to a battery (8) having at least one circuit board (1) according to the invention and having a cell arrangement (12), wherein the cell arrangement (12) has multiple battery cells (13) which are connected to one another in electrically conductive fashion in an electrical series and parallel circuit, wherein the cell arrangement (12) has multiple battery rows (14) with battery cells (13) connected electrically in series, and wherein in each case one circuit board (1) is arranged between two battery rows (14). The invention also relates to a battery arrangement (23) having the battery (8) according to the invention and having a portable container.

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