

Title (en)

BATTERY CELL, BATTERY ASSEMBLY AND METHOD FOR PRODUCING A BATTERY CELL

Title (de)

BATTERIEZELLE, BATTERIEANORDNUNG UND VERFAHREN ZUR HERSTELLUNG EINER BATTERIEZELLE

Title (fr)

ÉLÉMENT DE BATTERIE, ENSEMBLE BATTERIE ET PROCÉDÉ POUR PRODUIRE UN ÉLÉMENT DE BATTERIE

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Application

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Abstract (en)

[origin: WO2023031297A1] The invention relates to a battery cell (1), at least comprising a dimensionally stable housing (2) having at least one electrical first connection (3) that is electrically insulated relative to the housing (2) and at least one stack (6) formed by at least two sub-stacks (4, 5) and arranged in the housing (2), wherein each sub-stack (4, 5) has a respective plurality of layers at least stacked on top of one another, comprising at least one anode and at least one cathode as electrodes and comprising a separator between the different electrodes, wherein the first electrodes have first arrestors (8) and the second electrodes have second arrestors (9), which extend out of the stack (6), wherein the first arrestors (8) of the sub-stacks (4, 5) are arranged on a common first lateral surface (10) of the stack (6) and the second arrestors (9) of the sub-stacks (4, 5) are arranged on a common second lateral surface (11) of the stack (6), wherein the first arrestors (8) are electrically conductively connected to a first housing side (12) of the housing (2) and the second arrestors (9) of the stack (6) are electrically conductively connected to the at least one first connection (3). The invention also relates to suitable battery assemblies (16) and methods for producing a battery cell (1).

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