

ABSTRACT**LITHIUM-ION BATTERY AND METHOD FOR THE MANUFACTURE THEREOF**

Battery (1000) comprising at least one unit cell (100) formed by an anode (20), an electrolyte (30) and a cathode (50), defining a stack (I), said stack (I) and said battery having six faces, i.e.

- two end faces (F1, F2) opposite one another,
- two lateral faces (F3, F5) opposite one another,
- and two longitudinal faces (F4, F6) opposite one another,

it being understood that the first longitudinal face (F6) of the battery comprises at least one anode connection zone (1002) and that a second longitudinal face (F4) of the battery comprises at least one cathode connection zone (1006), said anode (1002) and cathode (1006) connection zones being laterally opposite one another, characterised in that,

- in a first longitudinal direction (XX') of the battery, each anode current-collecting substrate (10) protrudes from each anode layer (20), from each layer of electrolyte material (30) or layer of a separator impregnated with an electrolyte (31), from each cathode layer (50) and from each cathode current-collecting substrate layer (40), and
- in a second longitudinal direction (XX'') of the battery that is opposite to said first longitudinal direction (XX'), each cathode current-collecting substrate (40) protrudes from each anode layer (20), from each layer of electrolyte material (30) or layer of a separator impregnated with an electrolyte (31), from each cathode layer (50) and from each anode current-collecting substrate layer (10),

Fig. 10.