

ABSTRACT**ELECTROCHEMICAL BATTERY DEVICE WITH IMPROVED LIFETIME, COMPRISING
IMPROVED SEALING AND ELECTRICAL CONDUCTION MEANS, AND
MANUFACTURING METHOD THEREOF**

5 This battery comprises a stack (I) alternating between at least one anode (20) and at least one cathode (50), a so-called primary encapsulation system (1020) covering four of the six faces of said stack (I), at least one anode contact member (1040), capable of making the electrical contact between the stack and an external conductive element, and at least one cathode contact member (1050), capable of making the electrical contact between the
10 stack and an external conductive element.

According to the invention, the battery further comprises a so-called additional encapsulation system (1030), this additional encapsulation system comprising two frontal regions (1031, 1032), each whereof covers a respective frontal region (1021, 1022) of the primary encapsulation system, as well as two lateral regions (1033, 1035), each whereof
15 covers a respective lateral region (1023, 1025), devoid of any contact member, of the primary encapsulation system, each of said two frontal regions (1031, 1032) of the additional encapsulation system (1030) further covering the frontal ends (1041, 1042, 1051, 1052) respectively of the anode contact members and of the cathode contact members, and each of the frontal regions (1031, 1032) of the additional encapsulation
20 system forming a surface continuity with the lateral regions (1033, 1035) of said additional encapsulation system.

Fig. 6.