

Title (en)
PRESSURE MODULE, IN PARTICULAR FOR LITHIUM-ION BATTERY CELLS

Title (de)
DRUCKMODUL, INSBESONDERE FÜR LITHIUMIONEN-BATTERIEZELLEN

Title (fr)
MODULE D'IMPRESSION, EN PARTICULIER POUR DES ÉLÉMENTS DE BATTERIE AUX IONS DE LITHIUM

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Application
EP 20723363 A 20200430

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Abstract (en)
[origin: WO202221856A1] The invention relates to a pressure module (1) for a battery cell, wherein: the pressure module is an elastomer component for compensating for swelling, and has a simultaneous cooling or heating function, for rechargeable batteries; and the pressure module (1) comprises an outer covering (2) made of a polymer material which surrounds a cavity (9) that has a channel structure; and connections for the inlet (5) and outlet (6) for the thermal transfer medium are provided in the outer covering (2); wherein the outer covering (2) has two main faces opposite one another which are interconnected via the edges thereof, wherein structural elements (10a, 10b; 19a, 19b) are provided on the inner faces (7, 8) and are arranged so as to correspond to one another and to interact with one another so as to define and stabilise the channel structure for conducting the thermal transfer medium.

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Citation (search report)
See references of WO 202221856A1

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