

Title (en)
DEGASSING UNIT AND ELECTRONICS HOUSING, IN PARTICULAR BATTERY HOUSING

Title (de)
ENTGASUNGSEINHEIT UND ELEKTRONIKGEHÄUSE, INSBESONDERE BATTERIEGEHÄUSE

Title (fr)
UNITÉ DE DÉGAZAGE ET BOÎTIER ÉLECTRONIQUE, EN PARTICULIER BOÎTIER DE BATTERIE

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Application
EP 19827639 A 20191210

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Abstract (en)
[origin: WO2020141044A1] The invention relates to a degassing unit (10) for an electronics housing, in particular for a battery, in particular for a traction battery of a motor vehicle, comprising a main body (1) which can be fluid-tightly connected to an edge of a pressure compensation opening of the electronics housing, and which has at least one gas through-opening (15) that is covered by a semi-permeable membrane (6) in a normal operating mode of the degassing unit (10). The membrane (6) allows a passage of gaseous media from the surroundings into the battery housing, and vice versa, but prevents the passage of liquid media and/or solid matter. The membrane (6) is fluid-tightly secured to a membrane carrier (2) which can move relative to the main body (1), and which, in the normal operating mode, is sealingly pressed by an axial force onto an axial lip seal (5) that runs around an edge (151) of the gas through-opening (15) of the main body (1) and that is made of a softer material than the membrane carrier (2), such that, when a predetermined pressure difference between an internal space of the electronics housing and an environment is exceeded, the membrane carrier (2) can lift off the main body (1), thereby releasing at least one emergency degassing opening (N) surrounding the membrane (6), in order to transfer the degassing unit (10) into an emergency degassing mode. The invention also relates to an electronics housing comprising a degassing unit (10) according to the invention.

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