

Title (en)

ANTI-PROPAGATION EXHAUST DEVICE FOR AIRCRAFT LITHIUM-ION BATTERIES

Title (de)

ANTI-PROPAGATIONS-AUSLASSVORRICHTUNG FÜR LITHIUM-IONEN-BATTERIEN IN FLUGZEUGEN

Title (fr)

DISPOSITIF D'ÉCHAPPEMENT ANTI PROPAGATION DE BATTERIES LITHIUM-ION D'AÉRONEF

Publication

EP 4014277 A1 20220622 (FR)

Application

EP 21755808 A 20210727

Priority

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- FR 2021051398 W 20210727

Abstract (en)

[origin: WO2022029380A1] The invention relates to an assembly for electrical supply of an aircraft, comprising at least one battery (2) housed in a respective housing (20), each housing comprising a wall in which a through-opening is arranged, and an exhaust device comprising: - a discharge duct (10) connecting each housing opening to a common discharge port (30), - a valve (11) mounted on each opening (22), each valve comprising a membrane (12) designed so as to close the opening in a sealed manner and having a surface for applying pressure towards the inside of the housing and a surface for applying pressure towards the outside of the housing, the surface for applying pressure towards the outside of the housing being larger than the surface for applying pressure towards the inside of the housing, so that the membrane bursts at a bursting pressure inside the housing lower than a bursting pressure attained outside the housing.

IPC 8 full level

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