

Title (en)
LEAK DETECTION DEVICE FOR A BATTERY PACK OF A MOTOR VEHICLE

Title (de)
LECKERKENNUNGSVORRICHTUNG FÜR EIN BATTERIEPACK EINES KRAFTFAHRZEUGS

Title (fr)
DISPOSITIF DE DÉTECTION DE FUITES POUR PACK BATTERIE DE VÉHICULE AUTOMOBILE

Publication
EP 4378015 A1 20240605 (FR)

Application
EP 22748362 A 20220713

Priority
• FR 2108139 A 20210727
• EP 2022069683 W 20220713

Abstract (en)
[origin: WO2023006434A1] The present invention relates to a leak detection device (1) for a battery pack of a motor vehicle, the device (1) comprising: - a pneumatic circuit (100) comprising a plurality of valves (V1, V2, V3) and a pressure sensor (106); - at least one connector (7) for connecting said pneumatic circuit (100) to at least one element of the battery pack; said device (1) being configured to perform at least one procedure for detecting leaks on at least one element of the battery pack by means of said pneumatic circuit (100) and connector (7).

IPC 8 full level
H01M 10/42 (2006.01); **G01R 31/36** (2020.01); **G01R 31/52** (2020.01); **H01M 10/48** (2006.01); **H01M 50/249** (2021.01); **H01M 50/569** (2021.01)

CPC (source: EP)
G01M 3/3272 (2013.01); **G01M 3/34** (2013.01); **G01R 31/36** (2013.01); **G01R 31/52** (2020.01); **H01M 10/4228** (2013.01); **H01M 10/4285** (2013.01); **H01M 10/48** (2013.01); **H01M 50/569** (2021.01); **H01M 50/249** (2021.01); **H01M 2200/20** (2013.01); **H01M 2220/20** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
FR 3125881 A1 20230203; **FR 3125881 B1 20230908**; CN 117769780 A 20240326; EP 4378015 A1 20240605; WO 2023006434 A1 20230202

DOCDB simple family (application)
FR 2108139 A 20210727; CN 202280052013 A 20220713; EP 2022069683 W 20220713; EP 22748362 A 20220713