

Title (en)

TRACTION BATTERY HAVING A GUIDE MEANS FOR A FLUID VOLUME FLOW, AND MOTOR VEHICLE

Title (de)

TRAKTIONSBATTERIE AUFWEISEND EIN LEITMITTEL FÜR EINEN FLUIDVOLUMENSTROM UND KRAFTFAHRZEUG

Title (fr)

BATTERIE DE TRACTION PRÉSENTANT UN MOYEN DE GUIDAGE POUR UN FLUX VOLUMIQUE DE FLUIDE ET VÉHICULE AUTOMOBILE

Publication

EP 4150701 A1 20230322 (DE)

Application

EP 21725753 A 20210512

Priority

- DE 102020113086 A 20200514
- EP 2021062647 W 20210512

Abstract (en)

[origin: WO2021228954A1] The invention relates to a traction battery having: a battery tray; a plurality of battery modules arranged in the battery tray, each battery module having a safety valve; a battery cover; and a ventilation element for introducing air into and/or extracting air from the traction battery. The traction battery has a guide means, at least part of which is constantly permeable to a designated fluid volume flow, for deflecting a designated fluid volume flow, which is exiting in a designated manner from a safety valve, in the direction of the ventilation element. The traction battery also has an air extraction duct which extends from the guide means to the ventilation element.

IPC 8 full level

H01M 50/367 (2021.01)

CPC (source: EP US)

H01M 10/653 (2015.04 - US); **H01M 10/655** (2015.04 - US); **H01M 50/209** (2021.01 - US); **H01M 50/271** (2021.01 - US); **H01M 50/3425** (2021.01 - US); **H01M 50/367** (2021.01 - EP US); **H01M 2220/20** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2021228954A1

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)

DE 102020113086 A1 20211118; CN 115552708 A 20221230; EP 4150701 A1 20230322; US 2023187774 A1 20230615; WO 2021228954 A1 20211118

DOCDB simple family (application)

DE 102020113086 A 20200514; CN 202180032832 A 20210512; EP 2021062647 W 20210512; EP 21725753 A 20210512; US 202117924951 A 20210512