

Title (en)

BATTERY HOUSING FOR A DRIVE BATTERY

Title (de)

BATTERIEGEHÄUSE FÜR EINE ANTRIEBSBATTERIE

Title (fr)

BOÎTIER DE BATTERIE POUR UNE BATTERIE D'ENTRAÎNEMENT

Publication

**EP 3704747 A1 20200909 (DE)**

Application

**EP 18796447 A 20181102**

Priority

- DE 102017125750 A 20171103
- EP 2018079998 W 20181102

Abstract (en)

[origin: WO2019086600A1] The invention relates to a battery housing for a drive battery, - comprising at least one housing shell (4), - wherein the housing shell (4) is formed at least partially or fully from a thermoplastic, - wherein the housing shell (4) has a receiving region (6) for insertion of a drive battery, - wherein the housing shell (4) has a wall (8), - wherein the wall (8) has a two-layer or multi-layer sandwich structure (10), - wherein at least one first layer (12) of the sandwich structure (10), at least in some sections, is distanced from a second layer (14) of the sandwich structure (10) such that a wall cavity (16) is formed between the first layer (12) and the second layer (14), and - wherein the wall cavity (16) is designed to store a cooling medium.

IPC 8 full level

**H01M 10/613** (2014.01); **H01M 10/625** (2014.01); **H01M 10/6551** (2014.01); **H01M 10/6567** (2014.01); **H01M 50/227** (2021.01); **H01M 50/231** (2021.01); **H01M 50/249** (2021.01); **H01M 50/278** (2021.01)

CPC (source: EP US)

**B60K 1/04** (2013.01 - US); **B60L 50/64** (2019.01 - EP US); **H01M 10/613** (2015.04 - EP US); **H01M 10/625** (2015.04 - EP US); **H01M 10/6551** (2015.04 - EP US); **H01M 10/6556** (2015.04 - US); **H01M 10/6567** (2015.04 - EP US); **H01M 10/6569** (2015.04 - EP US); **H01M 50/20** (2021.01 - US); **H01M 50/227** (2021.01 - EP US); **H01M 50/231** (2021.01 - EP US); **H01M 50/249** (2021.01 - EP US); **H01M 50/278** (2021.01 - EP US); **B60K 1/04** (2013.01 - EP); **B60K 6/28** (2013.01 - US); **B60K 2001/005** (2013.01 - US); **B60Y 2200/91** (2013.01 - US); **B60Y 2200/92** (2013.01 - US); **B60Y 2304/00** (2013.01 - US); **B60Y 2306/05** (2013.01 - US); **B60Y 2400/112** (2013.01 - US); **B60Y 2410/10** (2013.01 - EP US); **H01M 10/6556** (2015.04 - EP); **H01M 2220/20** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP)

Citation (search report)

See references of WO 2019086600A1

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

DOCDB simple family (publication)

**WO 2019086600 A1 20190509**; CN 111295775 A 20200616; DE 102017125750 A1 20190509; EP 3704747 A1 20200909; JP 2021501972 A 20210121; JP 7078719 B2 20220531; US 11581605 B2 20230214; US 2020313130 A1 20201001

DOCDB simple family (application)

**EP 2018079998 W 20181102**; CN 201880071580 A 20181102; DE 102017125750 A 20171103; EP 18796447 A 20181102; JP 2020524612 A 20181102; US 201816760981 A 20181102