

Title (en)

BATTERY CELL HAVING A PLURALITY OF ELECTRODE UNITS IN A COMMON BATTERY CELL HOUSING

Title (de)

BATTERIEZELLE MIT MEHREREN ELEKTRODENEINHEITEN IN EINEM GEMEINSAMEN BATTERIEZELLGEHÄUSE

Title (fr)

CELLULE DE BATTERIE AYANT UNE PLURALITÉ D'UNITÉS D'ÉLECTRODE DANS UN BOÎTIER DE CELLULE DE BATTERIE COMMUN

Publication

EP 4226448 A1 20230816 (DE)

Application

EP 21769347 A 20210819

Priority

- DE 102020126467 A 20201009
- EP 2021073022 W 20210819

Abstract (en)

[origin: WO2022073677A1] The invention relates to a battery cell comprising a plurality of electrode units (10a, 10b) in a common battery cell housing, wherein - the electrode units (10a, 10b) each have a protective film (12), - the protective film (12) has an inner layer (12a) and an outer layer (12b), - the inner layer (12a) is arranged on the electrode unit (10a, 10b) and the outer layer (12b) is arranged on the inner layer (12a), and - the outer layer (12b) has a higher melting point than the inner layer (12a).

IPC 8 full level

H01M 10/04 (2006.01); **H01M 50/124** (2021.01); **H01M 50/131** (2021.01); **H01M 50/134** (2021.01); **H01M 50/143** (2021.01)

CPC (source: EP US)

H01M 10/0431 (2013.01 - EP); **H01M 10/0525** (2013.01 - US); **H01M 50/103** (2021.01 - US); **H01M 50/121** (2021.01 - US);
H01M 50/124 (2021.01 - EP US); **H01M 50/131** (2021.01 - EP); **H01M 50/133** (2021.01 - US); **H01M 50/134** (2021.01 - EP US);
H01M 50/143 (2021.01 - EP); **H01M 2220/20** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP);
Y02T 10/70 (2013.01 - EP)

Citation (search report)

See references of WO 2022073677A1

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 102020126467 A1 20220414; CN 116368665 A 20230630; EP 4226448 A1 20230816; US 2023387515 A1 20231130;
WO 2022073677 A1 20220414

DOCDB simple family (application)

DE 102020126467 A 20201009; CN 202180068821 A 20210819; EP 2021073022 W 20210819; EP 21769347 A 20210819;
US 202118030791 A 20210819