

Title (en)  
MOTOR VEHICLE BATTERY ASSEMBLY COMPRISING INTERLOCKING MEANS FOR PROTECTING THE TWO CONNECTION TERMINALS

Title (de)  
KRAFTFAHRZEUGBATTERIEANORDNUNG MIT VERRIEGELUNGSMITTELN ZUM SCHUTZ DER BEIDEN ANSCHLUSSKLEMMEN

Title (fr)  
ENSEMBLE DE BATTERIE DE VEHICULE AUTOMOBILE COMPORTANT DES MOYENS INTERVERROUILLES DE PROTECTION DES DEUX BORNES DE RACCORDEMENT

Publication  
**EP 4078721 A1 20221026 (FR)**

Application  
**EP 20812079 A 20201201**

Priority  
• FR 1914676 A 20191217  
• EP 2020083999 W 20201201

Abstract (en)  
[origin: WO2021121942A1] The present invention relates to an assembly comprising: - a battery (10), the housing (12) of which comprises a top wall (14) in which a negative terminal and a terminal are arranged; - a negative joint connector (C-) that is fastened to the negative terminal and a positive joint connector (C+) that is attached to the positive terminal, the assembly comprising: -- a protective cap (62) for the positive terminal which is mounted so as to be able to slide relative to the housing (12) towards the negative terminal, from a closed position protecting the positive terminal to an open position providing access to the positive terminal in order to allow the positive joint connector (C+) to be disconnected or connected; -- an element (66, 68) for locking the protective cap (62) in the closed position, that cooperates with a facing portion (32, 34) of the negative joint connector (C-); -- and a protective cover (64) for the negative terminal that is mounted so as to be able to slide relative to the housing (12) towards the positive terminal, from a closed position protecting the negative terminal to an open position providing access to the negative terminal in order to allow the negative joint connector (C-) to be disconnected or connected.

IPC 8 full level  
**H01M 50/147** (2021.01); **B60R 16/04** (2006.01); **H01M 10/04** (2006.01); **H01M 10/18** (2006.01); **H01M 10/42** (2006.01); **H01M 50/15** (2021.01); **H01M 50/155** (2021.01); **H01M 50/20** (2021.01); **H01M 50/543** (2021.01); **H01M 50/572** (2021.01); **H01R 11/28** (2006.01)

CPC (source: EP KR)  
**B60R 16/04** (2013.01 - EP); **H01M 10/0418** (2013.01 - EP); **H01M 10/42** (2013.01 - EP); **H01M 50/147** (2021.01 - EP); **H01M 50/15** (2021.01 - EP KR); **H01M 50/155** (2021.01 - EP); **H01M 50/20** (2021.01 - EP); **H01M 50/262** (2021.01 - KR); **H01M 50/543** (2021.01 - EP KR); **H01M 50/572** (2021.01 - EP KR); **H01M 50/591** (2021.01 - KR); **H01R 4/305** (2013.01 - KR); **H01R 4/34** (2013.01 - KR); **H01R 11/281** (2013.01 - EP KR); **H01M 2220/20** (2013.01 - EP KR); **H01R 4/305** (2013.01 - EP); **H01R 4/34** (2013.01 - EP); **H01R 13/447** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP KR); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

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 3104827 A1 20210618**; **FR 3104827 B1 20230519**; CN 115039274 A 20220909; EP 4078721 A1 20221026; JP 2023506718 A 20230220; KR 20220116445 A 20220823; WO 2021121942 A1 20210624

DOCDB simple family (application)  
**FR 1914676 A 20191217**; CN 202080095299 A 20201201; EP 2020083999 W 20201201; EP 20812079 A 20201201; JP 2022532672 A 20201201; KR 20227019849 A 20201201