

(12) International Application Status Report

Received at International Bureau: 16 January 2020 (16.01.2020)

Information valid as of: 30 January 2020 (30.01.2020)

Report generated on: 24 September 2020 (24.09.2020)

(10) Publication number:

WO2020/109714

(43) Publication date:

04 June 2020 (04.06.2020)

(26) Publication language:

French (FR)

(21) Application Number:

PCT/FR2019/052806

(22) Filing Date:

26 November 2019 (26.11.2019)

(25) Filing language:

French (FR)

(31) Priority number(s):

1871816 (FR)

(31) Priority date(s):

26 November 2018 (26.11.2018)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

H01M 2/02 (2006.01); H01M 2/10 (2006.01)

(71) Applicant(s):

WATTALPS [FR/FR]; 32 rue des Berges 38000 GRENOBLE (FR) *(for all designated states)*

(72) Inventor(s):

DESBOIS-RENAUDIN, Matthieu; 97 Impasse du Gerbier 38250 VILLARD-DE-LANS (FR)
CARMINATI, Jean-Noël; 128 Impasse du Vallon 73100 GRESY-SUR-AIX (FR)

(74) Agent(s):

REGIMBEAU; Regimbeau 20, rue de Chazelles 75847 PARIS CEDEX 17 (FR)

(54) Title (EN): BATTERY CASE AND MODULAR BATTERY SYSTEM

(54) Title (FR): COFFRE DE BATTERIE ET SYSTÈME DE BATTERIE MODULAIRE

(57) Abstract:

(EN): The invention relates to a battery case (0) comprising: a casing (1) formed by a profiled element having two pairs of opposite faces and two open ends, configured to be assembled to a casing of another case along one of said faces, referred to as the bearing face, two covers (2, 3) arranged at each end of the profiled element for hermetically closing the casing (1), a plurality of accumulators arranged in the casing (1), said case being characterized in that it comprises at least one electrically conductive portion (4) which is raised with respect to each bearing face of the casing, so as to ensure electrical contact with the other case by pressing said electrically conductive portion against an electrically conductive portion of the other case.

(FR): L'invention concerne un coffre (0) de batterie comprenant: un boîtier (1) formé d'un profilé présentant deux paires de faces opposées et deux extrémités ouvertes, configuré pour être assemblé à un boîtier d'un autre coffre le long d'une desdites faces, dite face d'appui, deux capots (2, 3) agencés à chaque extrémité du profilé pour fermer hermétiquement le boîtier (1), une pluralité d'accumulateurs agencés dans le boîtier (1), ledit coffre étant caractérisé en ce qu'il comprend au moins une portion électriquement conductrice (4) en relief par rapport à chaque face d'appui du boîtier, de sorte à assurer un contact électrique avec l'autre coffre par appui de ladite portion électriquement conductrice contre une portion électriquement conductrice de l'autre coffre.

International search report:

Received at International Bureau: 29 April 2020 (29.04.2020) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,

KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG
African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM

Declarations:

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America