

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 June 2021 (17.06.2021)



(10) International Publication Number
WO 2021/119164 A1

(51) International Patent Classification:

H01M 10/653 (2014.01) *B60L 58/24* (2019.01)
B60L 58/00 (2019.01) *B60L 58/32* (2019.01)
B60L 58/10 (2019.01) *H01M 10/65* (2014.01)

(21) International Application Number:

PCT/US2020/064070

(22) International Filing Date:

09 December 2020 (09.12.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

62/946,513 11 December 2019 (11.12.2019) US

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): 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, IT, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) Title: THERMAL MANAGEMENT SYSTEM FOR RECHARGEABLE BATTERIES

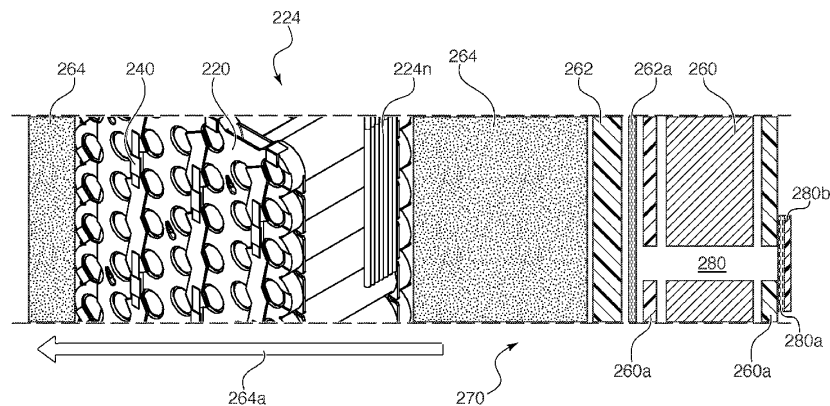


FIG. 4B

(57) Abstract: A thermal management system (270) for rechargeable secondary batteries having an electrically insulating material (262) lining the interior of a metal case (260). One or more cell packs (24) made of individual cells (12) arranged within end frames (220) is disposed in the metal case (260). A thermally conductive granular filler (264) occupies the interstices (264A) between the individual cells (12) and the space between the cell pack and the electrically insulating material liner (262). The thermally conductive filler (264) decreases the thermal impedance from the cell pack (24) to the exterior surface of the metal case (260) to reduce cell pack temperature and increase battery life

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WO 2021/119164 A1

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (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), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))