



- (51) **International Patent Classification:**
Not classified
- (21) **International Application Number:**
PCT/SG2022/050416
- (22) **International Filing Date:**
16 June 2022 (16.06.2022)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
10202106540Q 17 June 2021 (17.06.2021) SG
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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, IQ, IR, IS, IT, JM, 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.
- (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).
- Declarations under Rule 4.17:**
— of inventorship (Rule 4.17(iv))
- Published:**
— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

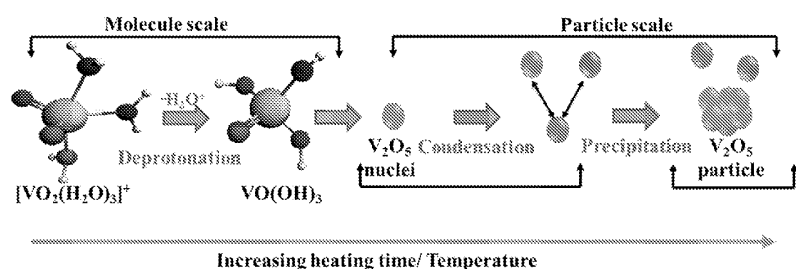
(54) **Title:** ELECTROLYTE FORMULATION

Figure 1

(57) **Abstract:** Provided herein is an electrolyte for a battery, the electrolyte comprising: a solvent comprising water and sulfuric acid; a vanadium salt; a deprotonation inhibitor for $[VO_2(H_2O)_3]^+$; and a V_2O_5 precipitation inhibitor. Provided also are batteries comprising the electrolyte, kits comprising components of the electrolyte, a method for stabilising vanadium salts in an electrolyte by adding a deprotonation inhibitor for $[VO_2(H_2O)_3]^+$; and a V_2O_5 precipitation inhibitor.