

(51) International Patent Classification:
H01M 8/08 (2016.01) *H01M 8/18* (2006.01)(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(71) Applicant: **V-FLOW TECH PTE. LTD.** [SG/SG]; 1
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pore 910816 (SG).(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:— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

16 February 2023 (16.02.2023)

(54) Title: ELECTROLYTE FORMULATION

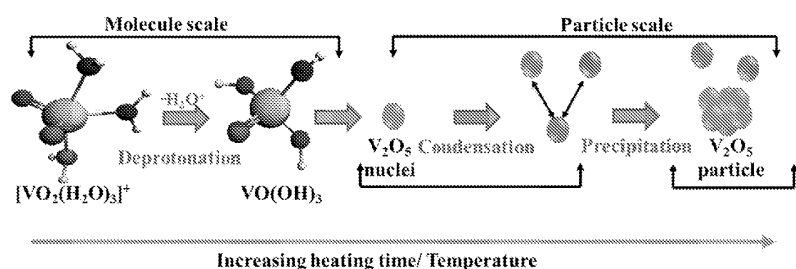


Figure 1

(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 $[\text{VO}_2(\text{H}_2\text{O})_3]^+$; 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 $[\text{VO}_2(\text{H}_2\text{O})_3]^+$; and a V_2O_5 precipitation inhibitor.