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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 September 2025 (25.09.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/196425 A1

(51) International Patent Classification:
H01M 4/86 (2006.01) *H01M 8/126* (2016.01)
H01M 4/88 (2006.01) *H01M 8/2432* (2016.01)
H01M 4/90 (2006.01) *H01M 8/12* (2016.01)
H01M 8/1253 (2016.01)

(21) International Application Number:
PCT/GB2025/050563

(22) International Filing Date:
19 March 2025 (19.03.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2404008.1 20 March 2024 (20.03.2024) GB

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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, CV, 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, MG, MK, MN, MU, 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, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

(54) **Title:** ELECTROCHEMICAL CELL

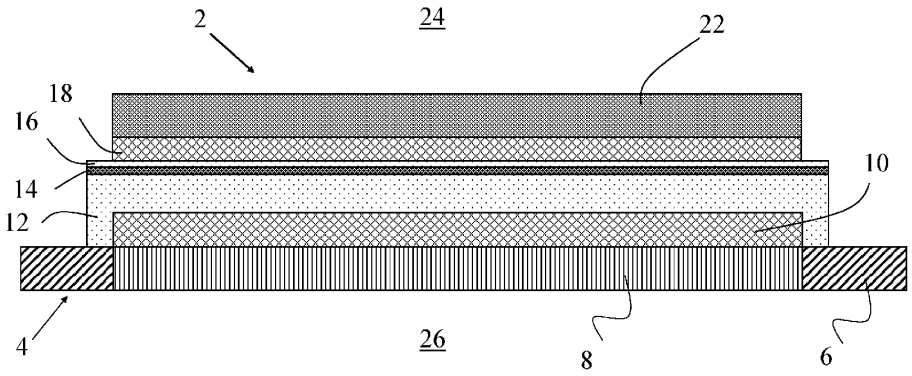


FIG. 1

(57) **Abstract:** An electrochemical cell is disclosed having a first electrolyte layer comprising a material having a composition Ce(1-x-y) PrxLnyO(2-δ), wherein Ln is selected from at least one rare earth metal, $0.1 \leq x \leq 0.7$. $0 \leq y \leq 0.2$, and δ is the degree of oxygen deficiency. Methods of 5 producing such electrochemical cells are also disclosed.

WO 2025/196425 A1

[Continued on next page]

Published:
— *with international search report (Art. 21(3))*