



(51) International Patent Classification:

C25D 17/00 (2006.01) C25D 17/10 (2006.01)
C25D 17/02 (2006.01) C25D 21/12 (2006.01)

(21) International Application Number:

PCT/US2024/043604

(22) International Filing Date:

23 August 2024 (23.08.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/578,945 25 August 2023 (25.08.2023) 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, 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, 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,

(54) Title: MEMBRANE FRAME FOR ELECTRODEPOSITION TOOL

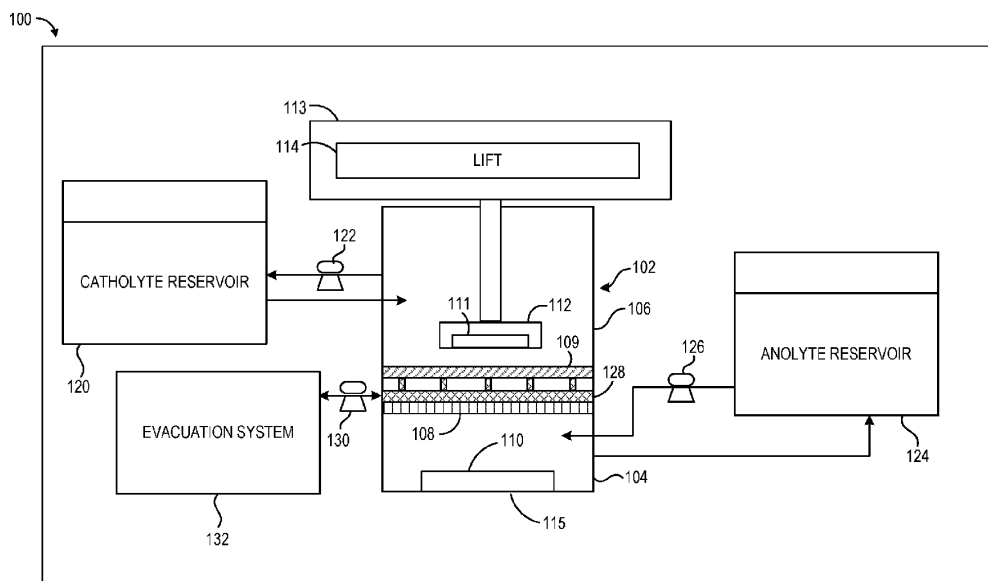


FIG. 1

(57) Abstract: An electrodeposition tool comprises an anode chamber and a cathode chamber. A high-resistance virtual anode (HRVA) is positioned within the cathode chamber. An ion-exchange membrane is positioned between the anode chamber and the cathode chamber. The ion-exchange membrane is supported by a membrane frame. The electrodeposition tool further comprises an aspiration flow path configured to drain a volume between the HRVA and the ion-exchange membrane. The aspiration flow path is defined by the ion-exchange membrane and a groove in the membrane frame.

[Continued on next page]

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).

Published:

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