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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
09 October 2025 (09.10.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/212621 A1

(51) International Patent Classification:
G01K 15/00 (2006.01) *G01K 1/14* (2021.01)

(21) International Application Number:
PCT/US2025/022507

(22) International Filing Date:
01 April 2025 (01.04.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/572,728 01 April 2024 (01.04.2024) US

(71) Applicant: **W. L. WALKER CO, INC.** [US/US]; 330 North Boulder Avenue, Tulsa, OK 74103 (US).

(72) Inventor: **ACTON, James**; 330 North Boulder Avenue, Tulsa, OK 74103 (US).

(74) Agent: **ROSSLER, Paul, E.**; Gablegotwals, 110 North Elgin Avenue, Tulsa, OK 74120 (US).

(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).

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))*

(54) Title: TEST FIXTURE FOR USE WITH A THERMOMETER TEST BATH

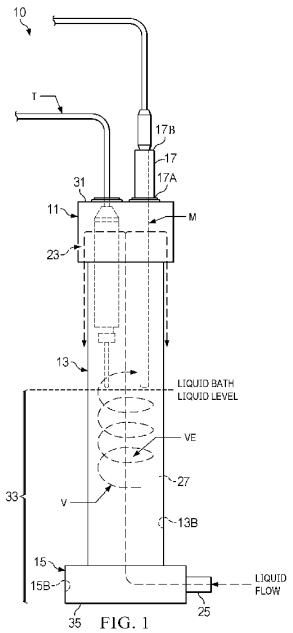


FIG. 1

(57) Abstract: A test device (10) and method of this disclosure maintain stable bath temperature of a calibration bath. The test device (10) includes a base (15) that introduces vortex flow of liquids from the calibration bath into a hollow interior of a cylinder (13) containing a reference and a test thermometer, the vortex flow of liquids then exiting a cap (11) at the upper end of the cylinder (13) and returning to the bath. The test device (10) is partially surrounded by the liquids of the calibration bath. In some embodiments, the calibration bath is a circulating calibration bath. The test device (10) and method of its use maintain bath temperature within at least ±0.01° F (±0.0056 °C) about a predetermined bath working temperature.

WO 2025/212621 A1