(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 2025/209897 A1

(51) International Patent Classification:
B01F 27/808 (2022.01) *B01F 35/92* (2022.01)
B01F 27/91 (2022.01) *B01L 7/00* (2006.01)
B01F 35/43 (2022.01) *C12M 1/02* (2006.01)
B01F 33/453 (2022.01) *F28D 1/06* (2006.01)
B01F 35/90 (2022.01)

(21) International Application Number:
PCT/EP2025/058247

(22) International Filing Date:
26 March 2025 (26.03.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
18/624,888 02 April 2024 (02.04.2024) 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,

(54) Title: THERMAL JACKET FOR SMALL VOLUME MIXING DEVICE

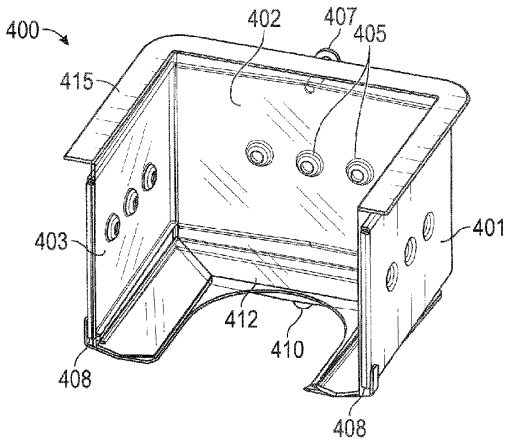


FIG. 4B

(57) Abstract: Provided herein is a jacketed mixing vessel housing, comprising: (a) three jacketed side walls (401, 402, 403), each of the three jacketed side walls connected to at least one of the other jacketed side walls, each of the jacketed side walls defining an interior cavity, wherein each of the interior cavities is in fluid connection with the others; (b) a base (410) supporting the three jacketed side walls at a bottom side of the three jacketed side walls; (c) an inlet port (408) on the bottom side of one of the jacketed side walls in fluid connection with the interior cavity; and (d) an outlet port (406) on one of the jacketed side walls in fluid connection with the interior cavity at a top side of the interior cavity; wherein the bottom side of the jacketed wall side wall containing the inlet slopes downwardly in a direction towards the inlet port, and wherein the three interior cavities of the three jacketed side walls are configured such that the three interior cavities are substantially filled by a fluid entering the jacketed mixing vessel housing before the fluid reaches the outlet port.

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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))*