



- (51) **International Patent Classification:**
A47J 31/44 (2006.01)
- (21) **International Application Number:**
PCT/NL2013/050759
- (22) **International Filing Date:**
29 October 2013 (29.10.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2009712 29 October 2012 (29.10.2012) NL
- (71) **Applicant:** FRIESLAND BRANDS B.V. [NL/NL]; Stationsplein 4, NL-3818 LE Amersfoort (NL).
- (72) **Inventors:** VAN DRUTEN, Wiebe Nicolaas; c/o Stationsplein 4, NL-3818 LE Amersfoort (NL). BOTMAN, Maarten Joannes; c/o Stationsplein 4, NL-3818 LE Amersfoort (NL).
- (74) **Agent:** JANSEN, C.M.; V.O. Johan de Wittlaan 7, NL-2517 JR Den Haag (NL).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, 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).

[Continued on next page]

(54) **Title:** A DISPOSABLE ASSEMBLY, A SYSTEM AND METHOD FOR PREPARING A FOAMED FOOD PRODUCT

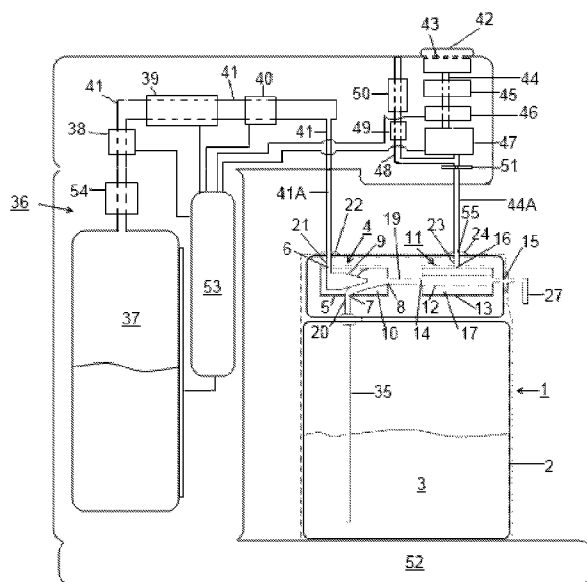


Fig. 2

(57) **Abstract:** A disposable assembly (1), a system and method for preparing a foamed food product. A disposable assembly (1) contains a concentrated liquid food product and comprises an eductor (4) and a microfiltration device (11). A water inlet (6) of the eductor (4) is configured for connection to an external source of water (37). A gas inlet (16) of the microfiltration device (11) is configured for connection to an external source of gas and an outlet (15) of the microfiltration device is configured for discharging a foamed food product created by the microfiltration device from the disposable assembly. A system for preparing a foamed food product comprises a product preparation apparatus (36) for preparing said foamed food product, and such a disposable assembly (1). The apparatus comprises a water source (37), a water heater (39) and water pressurizing means (38) configured for detachable connection to the eductor (4) of the disposable assembly (1). The apparatus further comprises a pressurized gas source (42) and gas pressurizing means (46) configured for supplying pressurized gas to the microfiltration device (11). In a method for preparing a foamed food product heated water is supplied to the water inlet (6) of said eductor (4) for entraining concentrated liquid food product (3) out of the holder (2) and for mixing said concentrated liquid food product (3) with the heated water.



Published:

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