



(51) International Patent Classification:
B01F 5/08 (2006.01)

(21) International Application Number:
PCT/US2011/037004

(22) International Filing Date:
18 May 2011 (18.05.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/346,072 19 May 2010 (19.05.2010) 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, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR CREATING CAVITATION FOR BLENDING AND EMULSIFYING

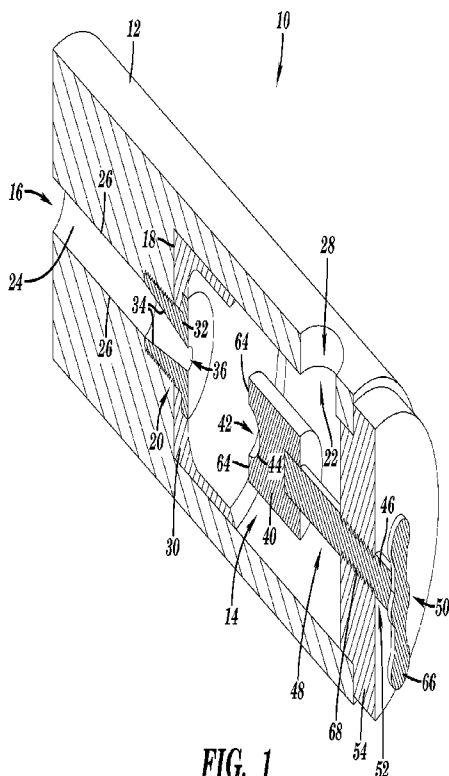


FIG. 1

(57) Abstract: The present invention relates to a device for emulsifying a mixture. The device includes a body defining a cavitation chamber, the body comprising a first and second opening and the cavitation chamber comprising an entry port and an exit port. The first opening is connected to the entry port and the second opening is connected to the exit port. The device includes a replaceable nozzle positioned in the entry port and an adjustable counter baffle positioned in the cavitation chamber to impinge flow of solution entering the cavitation chamber from the nozzle. Also disclosed is a method of emulsifying a mixture. This method involves providing the device of the present invention, introducing a mixture into the first opening of the device, and recovering an emulsified solution from the second opening of the device.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, **Published:**
GW, ML, MR, NE, SN, TD, TG).

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