



(51) International Patent Classification:

**B01D 17/02** (2006.01) **E21B 43/00** (2006.01)  
**B01D 17/04** (2006.01) **E21B 43/34** (2006.01)  
**B01D 19/00** (2006.01) **E21B 43/36** (2006.01)  
**C10G 33/06** (2006.01) **B01D 21/00** (2006.01)

(21) International Application Number:

PCT/EP2009/063498

(22) International Filing Date:

15 October 2009 (15.10.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

08168628.9 7 November 2008 (07.11.2008) EP

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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, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

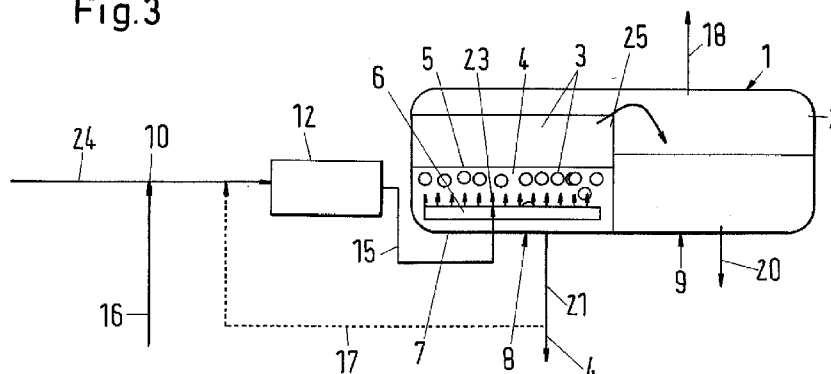
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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: SEPARATION METHOD AND APPARATUS FOR IMMISCIBLE FLUIDS

Fig.3



(57) Abstract: A wash separator (1) comprises a vessel (2) containing a first fluid (3) and a second fluid (4) whereby the second fluid (4) has a different density from the first fluid (3). The first fluid (3) is immiscible with the second fluid (4) and the first and second fluids are separated from each other by an interface (5), wherein a feed stream (15, 24, 31, 61) is provided, the feed stream (15, 24, 31, 61) comprising a dispersion of the first and second fluid (3,4), such that the second fluid (4) is forming a disperse phase in the form of droplets which is distributed within the first fluid (3) forming a continuous phase. A distribution element (6) is provided in the vessel (2) to distribute the feed stream (15, 24, 31, 61) into the second fluid (4), wherein the feed stream (15, 24, 31, 61) after having discharged from said distribution element (6) has a retention time of at most 15 minutes in the second fluid in the vessel.