



- (51) International Patent Classification:
F16L 41/03 (2006.01) *F17D 1/00* (2006.01)
- (21) International Application Number:
PCT/EP2012/051237
- (22) International Filing Date:
26 January 2012 (26.01.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
20110131 27 January 2011 (27.01.2011) NO
- (71) Applicant (for all designated States except US): **FMC KONGSBERG SUBSEA AS** [NO/NO]; P.O. Box 1012, N-3601 Kongsberg (NO).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DAHL, Tine Bauck** [NO/NO]; Gimleveien 23, N-1358 Jar (NO). **FØLKNER, Stein** [NO/NO]; Dyrefaret 8, N-1362 Hosle (NO). **HÆGLAND, Bjarte** [NO/NO]; Johs. Nores vei 43, N-1384 Asker (NO). **SCHÜLLER, Reidar Barfod** [NO/NO]; Husvikveien 14, N-1440 Drøbak (NO). **JENSEN, Atle** [NO/NO]; Odd Hasselsvei 3, N-0875 Oslo (NO).
- (74) Agents: **LANGAN, Hans** et al.; c/o Onsagers AS, P.B. 6963, St. Olavs Plass, N-0130 Oslo (NO).

(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, QA, RO, RS, RU, RW, 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, 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, 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))

[Continued on next page]

(54) Title: MANIFOLD FLOW SPLITTER

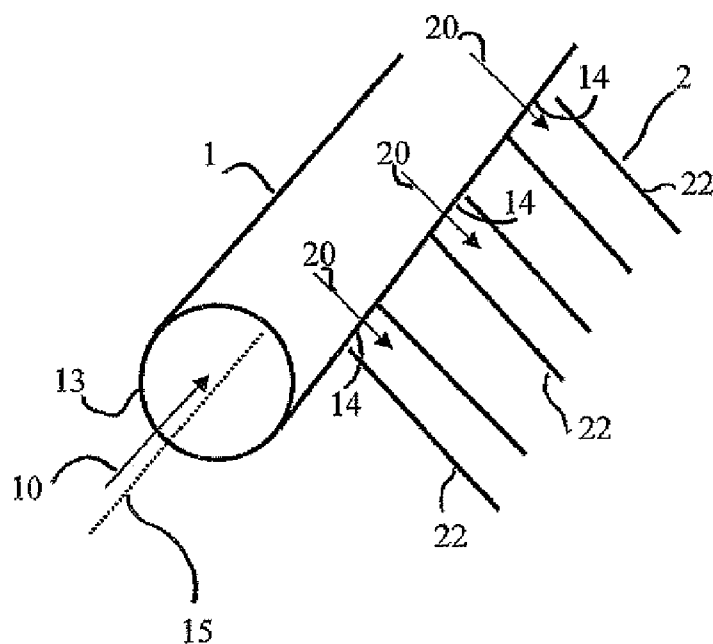


Fig. 1

(57) Abstract: The present invention regards a manifold for use in a flow system, comprising a longitudinal main pipe section (1) with one inlet (13) connectable to a feed pipe (9) and at least two outlets (14) arranged in a row along the main pipe section (1), where a centre axis (15) of the main pipe section (1) during normal use extends in a mainly horizontal direction. The outlets (14) are arranged in a lower half of the main pipe section (1) and connected to outlet pipe sections (22) arranged with a centre axis (21) extending with an downward angle from the main pipe section (1). The invention also regards a method for distributing a mixed flow into several pipes and a method for cooling a multiphase fluid.



(88) Date of publication of the international search report:

4 October 2012