



(51) International Patent Classification:

B01D 45/14 (2006.01) **B01D 53/24** (2006.01)
B01D 45/12 (2006.01) **B04C 3/06** (2006.01)

(21) International Application Number:

PCT/NO2011/000252

(22) International Filing Date:

15 September 2011 (15.09.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20101393 8 October 2010 (08.10.2010) NO

(71) Applicant (for all designated States except US):
CAMERON SYSTEMS AS [NO/NO]; Sluppenveien
12E, Box 6061, N-7435 Trondheim (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KVAMSDAL, Dag**
[NO/NO]; Prof. Mørchsv. 14, N-7052 Trondheim (NO).
SVEBERG, Knut [NO/NO]; Lokes vei 11, N-7033
Trondheim (NO). **TALSETH, Mauritz** [NO/NO]; Hol-
bergsgate 23A, N-7015 Trondheim (NO).

(74) Agent: **CURO AS**; Industriveien 53, N-7080 Heimdal
(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, 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).

[Continued on next page]

(54) Title: INLET DEVICE FOR GRAVITY SEPARATOR

(57) Abstract: An inlet device (17) for a gravity separator (18) for separating a fluid mixture comprising gas and liquid. The inlet device (17) comprises an inlet nozzle (1) for the fluid mixture, a distribution chamber (2) connected to the said inlet nozzle for distributing the fluid mixture to one or more axial cyclones (3) constituting an integral part of the inlet device (17) and being connected to the distribution chamber (2). The axial cyclones (3) are provided with a bottom inlet opening, a top outlet opening (9) for the gas rich fluid stream, a swirl inducing element (21), one or more openings (24) to allow liquid to leave the axial cyclones (3), and to be drained to a level below the inlet device (17).

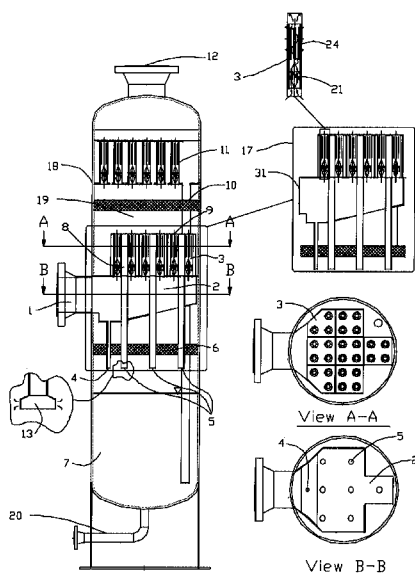


Figure 1



Published:

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