



(51) International Patent Classification:
F16K 3/312 (2006.01) *F16K 3/30* (2006.01)

(21) International Application Number:
PCT/NO2010/000439

(22) International Filing Date:
1 December 2010 (01.12.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20100772 27 May 2010 (27.05.2010) NO

(72) Inventor; and

(71) Applicant : OLSEN, Erling [NO/NO]; Anna Pleymsvei
18, NO-0988 Oslo (NO).

(74) Agent: PROTECTOR IP CONSULTANTS AS; Os-
carsgate 20, NO-0352 Oslo (NO).

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.

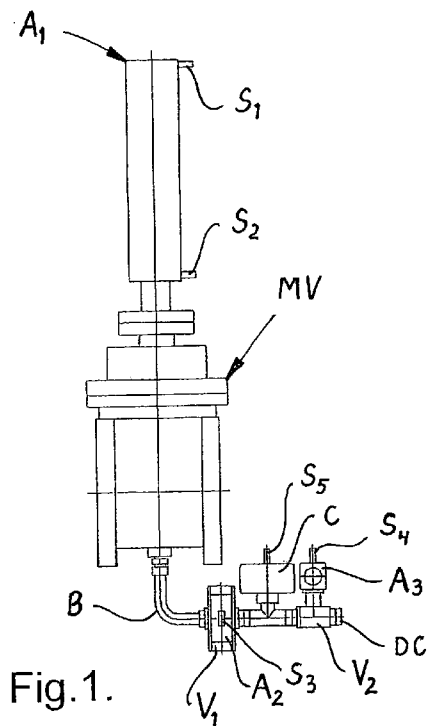
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE,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

Declarations under Rule 4.17:

(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,
— as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: VALVE ARRANGEMENT OF A BLIND FLANGE VALVE



(57) Abstract: A valve arrangement to ensure zero leakage from a blind flange valve (MV) is described. The blind flange valve (MV) is adapted to seal a pipeline into complete sealing according to set requirements. The base, or bottom, of the blind flange valve (MV) is in fluid communication with the inlet of an actuateable first valve (V₁) that is in fluid communication with the inlet of a second actuateable valve (V₂). A fluid chamber (C) is in fluid communication with the outlet from the first valve (V₁) and the inlet of the second valve (V₂). The outlet from the second valve (V₂) can be drained out, and that respective actuatable valves (V₁, V₂) can be actuated by signal from predetermined sensor or sensors (S₁₋₅).



Published:

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