



(51) International Patent Classification:

F16L 19/025 (2006.01) F24D 19/00 (2006.01)
F16L 29/04 (2006.01) F16L 15/02 (2006.01)

(21) International Application Number:

PCT/EP2024/054326

(22) International Filing Date:

20 February 2024 (20.02.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2302415.1 20 February 2023 (20.02.2023) GB

(71) Applicant: MIKK VALVE HOLDINGS LIMITED

[GB/GB]; 4 Parsonage Business Centre, Church Street,
Ticehurst, Sussex TN5 7DL (GB).

(72) Inventors: WALKER, Angus; Unit 4, Parsonage Business

Centre, Church Street, Ticehurst, Wadhurst, Sussex TN5
7DL (GB). GALE, Robin; Unit 4, Parsonage Business Centre,
Church Street, Ticehurst, Wadhurst, Sussex TN5 7DL
(GB).

(74) Agent: BRYERS INTELLECTUAL PROPERTY

LIMITED; BRISTOL & BATH SCIENCE PARK, DIRAC

CRESCENT EMERSONS GREEN, BRISTOL South,
Gloucestershire BS16 7FR (GB).

(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, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: FLUID CONTROL

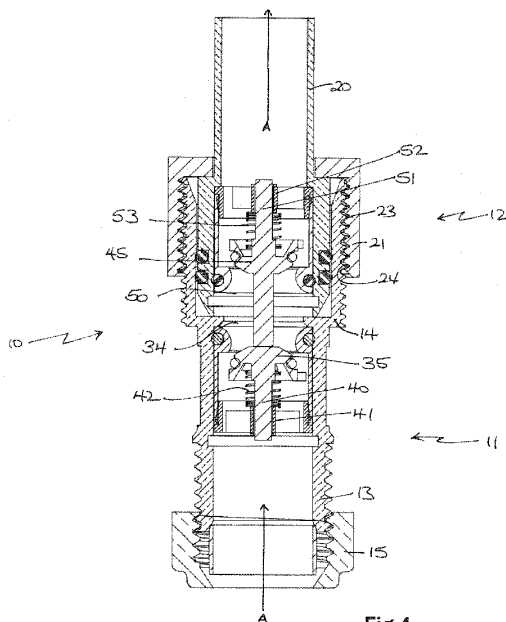


Fig 4

(57) Abstract: The present invention relates to fluid control and management, particularly to valves and regulators for controlling the flow of a liquid, such as water. We described an isolating valve assembly comprising a first isolating valve demountably fluidly coupleable to a second isolating valve. The first isolating valve comprises a first valve body and the second isolating valve comprises a second valve body demountably attachable to the first valve body. The first and second valve bodies each includes a respective valve comprising a valve plug and a valve seat against which the valve plug bears to prevent flow of fluid through the valve body when the first valve body and second valve body are in a disconnected configuration. At least one of the valve plugs includes an axial actuator stem arranged such that, when the second valve body is attached to the first valve body, the axial actuator stem bears against the other valve plug to cause both valves to open.

[Continued on next page]

Published:

- *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*