

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 November 2000 (30.11.2000)

PCT

(10) International Publication Number
WO 00/71915 A2

(51) International Patent Classification⁷: F16K 1/00

(21) International Application Number: PCT/GB00/01958

(22) International Filing Date: 22 May 2000 (22.05.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9911894.5 22 May 1999 (22.05.1999) GB

(71) Applicant and

(72) Inventor: ENSTON, Robert, Peter [GB/GB]; 26 Dr. Garrett's Drive, Conway LL32 8GZ (GB).

(74) Agent: GEOFFREY OWEN & COMPANY; 76 Lower Bridge Street, Chester CH1 1RU (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE,

DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

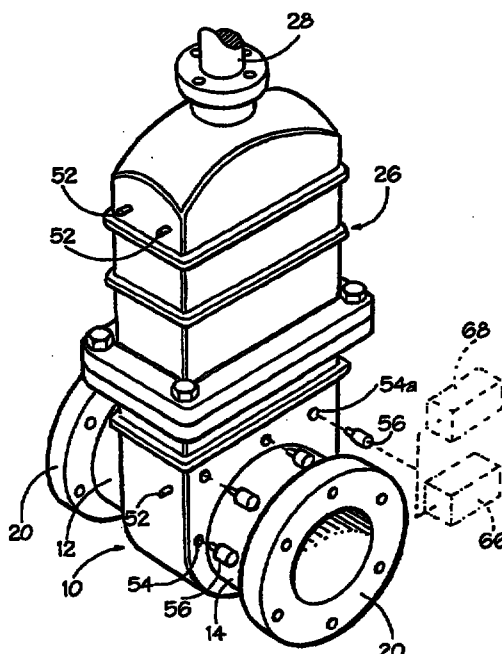
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FREEING OF SEIZED VALVES



(57) Abstract: In order to free a seized valve, an inspection port is formed in a wall of the valve body and the areas where the valve is seized are determined. One or more injection ports are formed in the valve body adjacent to the seized portions of the valve, pressurised fluid (preferably an insoluble lubricant having a very high cone penetration) is injected through the or each injection port and the injection ports are then closed.

WO 00/71915 A2