

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 April 2003 (10.04.2003)

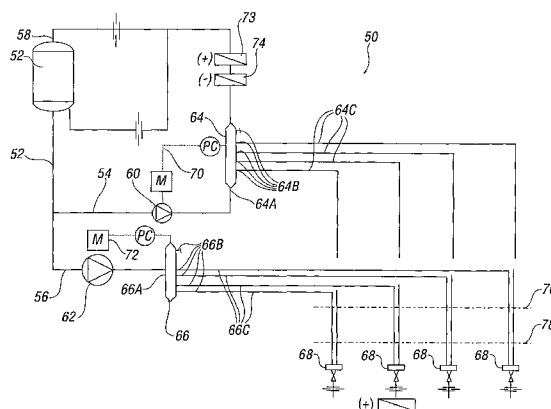
PCT

(10) International Publication Number
WO 03/029721 A1

- (51) International Patent Classification⁷: **F17D 1/14**, (74) Agent: **BAILEY WALSH & CO**; 5 York Place, Leeds LS1 2SD (GB).
F24D 17/00, E03B 7/04
- (21) International Application Number: PCT/GB02/04148 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 12 September 2002 (12.09.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0123340.2 28 September 2001 (28.09.2001) GB
0129813.2 13 December 2001 (13.12.2001) GB
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- (72) Inventors; and (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
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- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: FLUID DELIVERY SYSTEM



(57) Abstract: A fluid delivery system is described whereby sterile liquid may be delivered efficiently to a number of remote locations while nevertheless maintaining a continuous fluid flow through the system to prevent any bacterial growth. The system includes a storage tank feeding a first pipework loop including a first pump which urges fluid through said first loop at a first pressure and which returns to the tank, and also includes at least one pipework branch fed from the tank and having a second pump which urges fluid through the branch at a second pressure downstream of the second pump. The system functions efficaciously in that a branch manifold terminates each branch and a return manifold is provided in the first pipework loop. Between these two manifolds are connected one or more supply hoses interrupted by an offtake component which is a simple valve opening through which the fluid can be selectively delivered at the desired location. When one or more offtakes are opened, the conventional fluid flow in the hose which links that offtake to the return manifold is reversed on account of the pressures at which the two pumps in the first pipework loop and the pipework branches operate. This type of operation allows for practically 100 % diversity, i.e. that condition where as many or as few offtakes in the system can be opened simultaneously without any practical reduction in the availability of fluid.



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