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(21) International Application Number: PCT/AU97/00891 (22) International Filing Date: 30 December 1997 (30.12.97) (30) Priority Data: PO 4409 30 December 1996 (30.12.96) AU (71)(72) Applicant and Inventor: McROBERT, Ian [AU/AU]; 24 Celosia Way, Ferndale, W.A. 6148 (AU). (74) Agent: MIZZI, Anthony, Paul; Griffith Hack, 6th floor, 256 Adelaide Terrace, Perth, W.A. 6000 (AU).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: SYSTEM FOR RAISING AND LOWERING A LINER OF A FLUID BEARING RECEPTACLE

(57) Abstract

A system (10) for raising and lowering a liner (12) or a swimming pool (14) includes a plate (22) used to define a spill way (24) for providing fluid communication between an outside surface (26) of the liner (12) and an inside surface (16) of the pool (14). The liner (12) is detached from surface (16) of the pool in the region behind the plate (22) and reattached along upper edge (28) of the plate (22) using a conventional locking strip (20). Conduit (30) has a length (30') which extends along back face (32) of plate (22) below the upper edge (28). Holes (34) cut in the plate (22) provide communication with length (30'). Conduit (36) having a length (36') extends across the back face (32) near its lower edge (38) to provide air to the spill way (24). The length (36') is provided with a number of holes (40) for admitting air into the spill way (24). In order to lift the liner (12), air is directed through conduits (30, 30') to the outside surface (26) of liner (12). The air progressively lifts the liner up and away from the inside surface (16) displacing water held within the pool (14) to flow over upper edge (28) into the spill way (24) so that the water now lies beneath the outside surface (26). In this way the liner (12) is progressively raised to eventually lie above the level of the water. To return liner (12) to its lining position air is passed through conduits (30, 36) into spill way (24). As the air rises it carries water up the spill way (24) and over the upper edge (28) onto the inside surface of liner (12) to sink the liner (12) back to its lining position.

