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(21) International Application Number: PCT/US99/02548 (22) International Filing Date: 5 February 1999 (05.02.99) (30) Priority Data: 60/073,942 6 February 1998 (06.02.98) US (71) Applicant: CAMCO INTERNATIONAL INC. [US/US]; 7030 Ardmore, Houston, TX 77054 (US). (72) Inventor: PRINGLE, Ronald, E.; 12030 White Cap Lane, Houston, TX 77072 (US). (74) Agent: QUISENBERRY, C., Dale; Tobor, Goldstein & Healey, L.L.P., Suite 2300, 1360 Post Oak Boulevard, Houston, TX 77056-3023 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, 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, 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 <i>With international search report.</i>
(54) Title: SIDEPOCKET MANDREL FOR ORIENTING A GAS LIFT VALVE		
(57) Abstract The present invention is an apparatus for orienting a gas lift valve in a first pocket in a mandrel relative to a valve actuator in a second pocket in the mandrel, the first and second pockets being substantially parallel to one another, comprising: a first guide rail and a second guide rail, the first and second guide rails being on an inner surface of the mandrel and spaced apart in substantially parallel relationship to define a longitudinal groove therebetween; the gas lift valve having an orienting key and a first reference point, the orienting key and the first reference point being longitudinally aligned; the valve actuator having a second reference point; and, the first and second reference points being longitudinally aligned when the orienting key is disposed within the longitudinal groove between the guide rails.		