



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ :		(11) International Publication Number:	WO 99/05482
G01F 15/08	A1	(43) International Publication Date:	4 February 1999 (04.02.99)
(21) International Application Number: PCT/IB98/01168		(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, HR, 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, 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).	
(22) International Filing Date: 22 July 1998 (22.07.98)			
(30) Priority Data: 08/901,110 28 July 1997 (28.07.97) US			
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(54) Title: REDUCTION IN OVERALL SIZE, WEIGHT AND EXTENSION OF DYNAMIC RANGE OF FLUID METERING SYSTEMS

(57) Abstract

A system for measuring the oil/water/gas content of a three phase fluid flow regime having greater than 20 % gas phase is disclosed. A fluid flow preconditioner (30) is placed in the flow line (24) prior to entry into a STARCUT® monitor system (20). The preconditioner (30) provides a mostly liquid phased flow for input to the monitor system. The monitor system (20) also develops a control signal which is applied to the preconditioner (30) to control its output flow stream.

