



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: G01N 1/14	A1	(11) International Publication Number: WO 96/12169 (43) International Publication Date: 25 April 1996 (25.04.96)
(21) International Application Number: PCT/US95/09563 (22) International Filing Date: 27 July 1995 (27.07.95) (30) Priority Data: 08/324,907 18 October 1994 (18.10.94) US (71) Applicant: CLARK TECHNOLOGY SYSTEMS, INC. [US/US]; 725 E. Main Street, Santa Paula, CA 93060 (US). (72) Inventor: CLARK, James, E., II; 10990 Creek Road, Ojai, CA 93023 (US). (74) Agent: KIMBELL, Daniel, R.; Drucker & Sommers, Suite 328, 9465 Wilshire Boulevard, Beverly Hills, CA 90212 (US).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i>

(54) Title: FLUID SAMPLING DEVICE**(57) Abstract**

A fluid sampling device (10) for use in obtaining a precise volume of fluid to be sampled from a sealed vessel (12) equipped with a hydraulic fitting (20) to which the fluid sampling device (10) is connectable. The device (10) has a fluid sampling float chamber (28) with an internally sealable top opening (33) which opens into a bottom end (50) of an air channel (48) and a bottom opening (38) which opens into a top end of a fluid channel (26). A floating ball (30) is located in said fluid sampling float chamber (28) and is sized to be sealingly sealable at the top opening (33). A vacuum generating means relying on air flow through a venturi (54) to draw air out of the fluid sampling chamber (28) through the air channel (48) is located above the top opening (33) of the float chamber (28). An air valve (62) is located down stream of the venturi (54) for controlling the direction of air flow through the venturi (54).

