

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 November 2006 (30.11.2006)

PCT

(10) International Publication Number
WO 2006/128122 A3

(51) International Patent Classification:

G01F 1/74 (2006.01) **G01F 1/712** (2006.01)
G01F 1/66 (2006.01) **G01N 29/024** (2006.01)
G01F 1/708 (2006.01)

(21) International Application Number:

PCT/US2006/020784

(22) International Filing Date: 30 May 2006 (30.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/685,532 27 May 2005 (27.05.2005) US
06/736,684 14 November 2005 (14.11.2005) US

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (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

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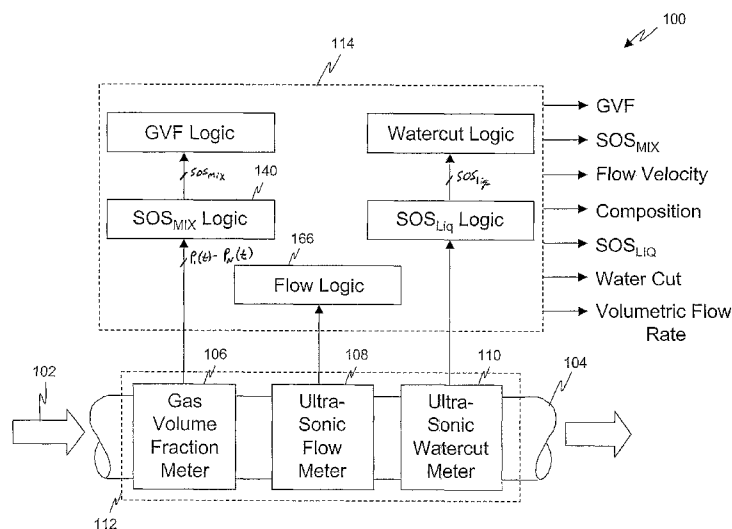
(88) Date of publication of the international search report:

15 February 2007

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN APPARATUS AND METHOD FOR MEASURING A PARAMETER OF A MULTIPHASE FLOW



(57) Abstract: An apparatus for determining a characteristic of an aerated fluid flowing within a pipe is provided and includes at least one first sensing device associated with the pipe, such that the at least one first sensing device senses a low-frequency component of the aerated fluid flow and generates first sensor data responsive to the low-frequency component of the aerated fluid. At least one second sensing device is also included and is associated with the pipe such that the at least one second sensing device senses a high-frequency component of the aerated fluid flow and generates second sensor data responsive to the high-frequency component of the aerated fluid. Furthermore, a processing device is included and is communicated with the at least one first sensing device and the at least one second sensing device to receive and process the first sensor data and the second sensor data to generate fluid data.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/020784

A. CLASSIFICATION OF SUBJECT MATTER
INV. G01F1/74 G01F1/66 G01F1/708 G01F1/712 G01N29/024

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G01N G01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	column 4, line 7 - column 8, line 13; figures	5,6, 10-23
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X	WO 01/69040 A (HALLIBURTON ENERGY SERV INC [US]) 20 September 2001 (2001-09-20) paragraphs [0013] - [0039]; figures	1-8, 18-23
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search

15 November 2006

Date of mailing of the international search report

24/11/2006

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2006/020784

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 4 080 837 A (ALEXANDER JOHN D ET AL) 28 March 1978 (1978-03-28) column 2, line 29 - column 6, line 48; figures	18-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

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