(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 November 2002 (14.11.2002)

PCT

(10) International Publication Number
WO 02/090897 A1

(51) International Patent Classification[7]: G01F 15/18, 25/00, 1/684, 1/69, 1/696

(21) International Application Number: PCT/EP02/04637

(22) International Filing Date: 26 April 2002 (26.04.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0110961.0 3 May 2001 (03.05.2001) GB

(71) Applicant *(for all designated States except US)*: **ENDRESS + HAUSER LIMITED** [GB/GB]; Floats Road, Manchester M23 9NF (GB).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **GIMSON, Chris** [GB/GB]; 22 Wayfaring, Westhoughton, Bolton BL5 3UT (GB).

(74) Agent: **ANDRES, Angelika**; c/o Endress + Hauser Deutschland Holding GmbH, PatServe, Colmarer Strasse 6, 79576 Weil am Rhein (DE).

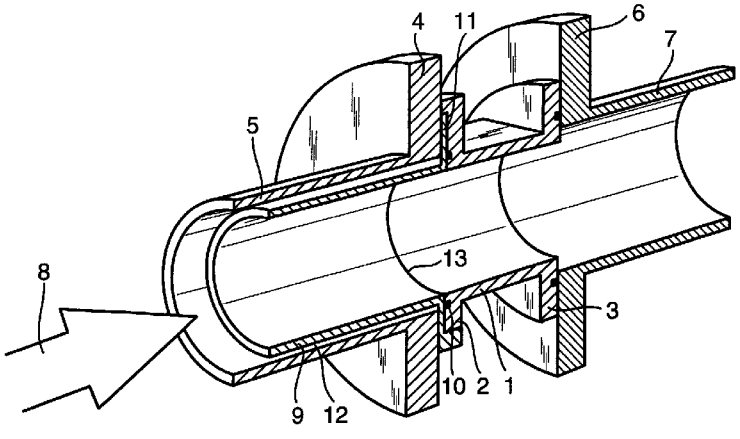
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: 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, TR).

Published:
— *with international search report*
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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: FLOW METERING



(57) Abstract: A flow meter incorporating thermal loss sensors and an installation adapter to provide known flow conditions upstream of the meter. The installation adapter is in the form of a tubular extension projecting from a flange which in use is sandwiched between a pipeline flange and a flow meter flange. The flanges are configured such that a passageway defined by the adapter extension is located in a predetermined position relative to the flow meter. The flow meter may comprise a sensor array supporting at least three sensors which are not in alignment, one of those sensors being located centrally within the flow meter and the others being distributed at equal distances around the central position. In use, normal readings may be taken from a single one of the sensors, the other sensors being used for initial calibration and subsequent calibration test purposes only. A comparison is made between the relative values of the outputs of the different sensors to identify sensor drift or potentially significant changes in flow conditions.

WO 02/090897 A1