

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 June 2006 (08.06.2006)

PCT

(10) International Publication Number
WO 2006/059967 A1

(51) International Patent Classification:
G01F 1/84 (2006.01) **G01F 25/00** (2006.01)

(21) International Application Number:
PCT/US2004/039960

(22) International Filing Date:
30 November 2004 (30.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **MICRO MOTION, INC.** [US/US]; 7070 Winchester Circle, Boulder, Colorado 80301 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PATTEN, Andrew, Timothy** [US/US]; 123 Green Meadow Lane, Boulder, Colorado 80302 (US). **STAPPERT, Karl, B.** [US/US]; 17607 North Louisville Avenue, Skiatook, Oklahoma 74070 (US).

(74) Agents: **WEBB, Steven, L.** et al.; Setter Ollila LLC, 2060 Broadway, Suite 300, Boulder, Colorado 80302 (US).

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

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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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, LU, 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).

Declaration under Rule 4.17:

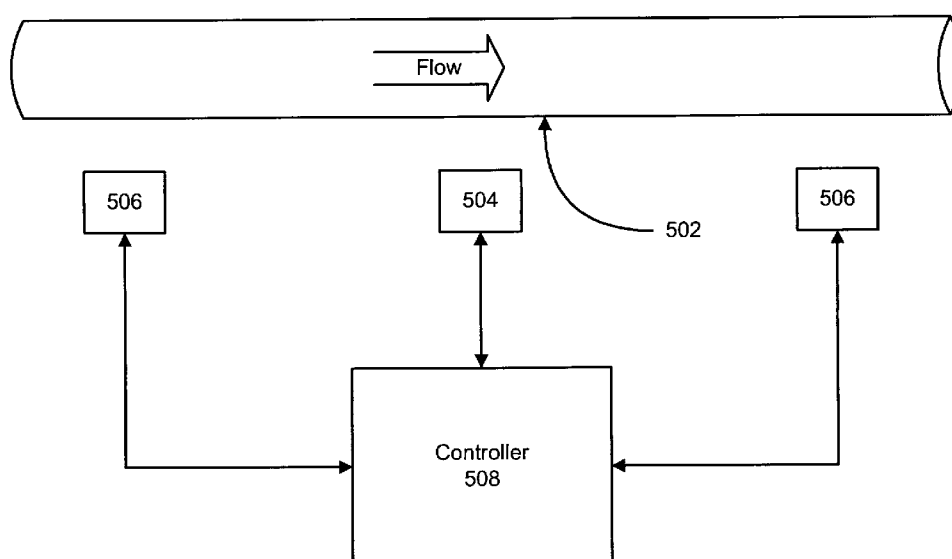
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report

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: METHOD AND APPARATUS FOR DETERMINING FLOW PRESSURE USING DENSITY INFORMATION



(57) Abstract: A method and apparatus is disclosed that determines the density of a material flowing through a Coriolis flow meter. The density is used to infer the pressure of the flowing material. The inferred pressure may be used to correct for the secondary pressure effect in the Coriolis flow meter or may be reported to an external device.

WO 2006/059967 A1