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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
31 July 2008 (31.07.2008)

PCT

(10) International Publication Number
WO 2008/091215 A1

(51) International Patent Classification:
G01B 7/06 (2006.01) *G01B 13/06* (2006.01)

(21) International Application Number:
PCT/SE2008/050075

(22) International Filing Date: 24 January 2008 (24.01.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0700176-1 25 January 2007 (25.01.2007) SE

(71) Applicant *(for all designated States except US)*: **DAPROX AB** [SE/SE]; P.O. Box 120, S-127 23 Skärholmen (SE).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **ÅKERBLOM, Bengt** [SE/SE]; Vårby Allé 23, S-143 40 Vårby (SE).

(74) Agent: **ALBIHNS AB**; P.O. Box 5581, S-114 85 Stockholm (SE).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(54) **Title:** SENSOR HEAD, A MEASURING DEVICE COMPRISING THE SENSOR HEAD AND A METHOD FOR CALIBRATING THE MEASURING DEVICE

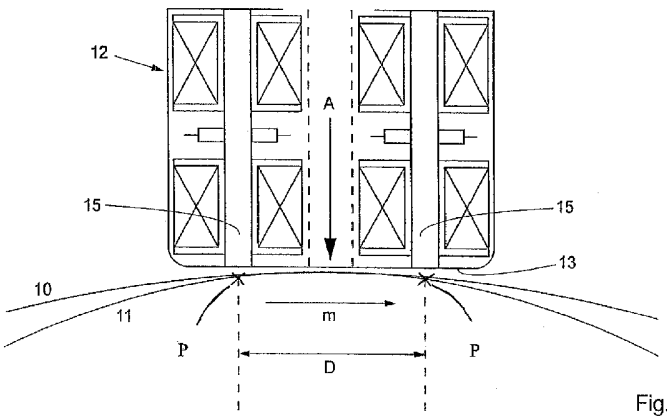

Fig.2

(57) **Abstract:** The present invention relates to a sensor head for measuring the thickness of a layer coated on an elongated strip of material passing by the sensor head. The sensor head has a front surface that is facing the surface of the elongated strip. The front surface comprises an air outlet placed in the centre of the front surface. The outlet is connected to an gas supply device generating an gas flow out from the air outlet directed substantially perpendicular from front surface in order to form a gas cushion that the sensor head is resting on. The front surface further comprises two or four sensors placed at the same distance from the centre of the front surface, with the two sensors radially opposite to each other, and in case of four sensors the additional two sensors are placed radially opposite to each other between the first two sensors. The present invention also involves a measuring device comprising the sensor head described above and a method for calibrating the measuring device.

WO 2008/091215 A1