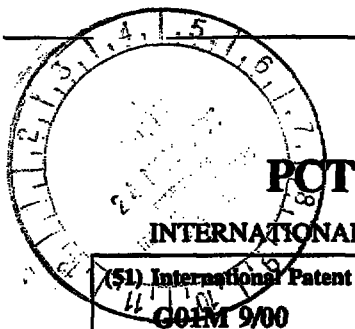




WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :

G01M 9/00

A1

(11) International Publication Number:

WO 96/34265

(43) International Publication Date:

31 October 1996 (31.10.96)

(21) International Application Number: PCT/US96/05737

(22) International Filing Date: 24 April 1996 (24.04.96)

(30) Priority Data:

08/430,743

28 April 1995 (28.04.95)

US

(71) Applicant: ROSEMOUNT INC. [US/US]; 12001 Technology Drive, Eden Prairie, MN 55344 (US).

(72) Inventors: MOSER, Thomas, M.; 4730 Nokomis Avenue South, Minneapolis, MN 55406 (US). DOLEZALEK, Charles, R.; 10305 Lever Street N.E., Blaine, MN 55014 (US). JOST, Michael, B.; 5506 West 131st Street, Savage, MN 55317 (US). OLSON, Mark, H.; 4925 Penn Avenue South, Minneapolis, MN 55409 (US).

(74) Agents: KOEHLER, Steven, M. et al.; Westman, Champlin & Kelly, International Centre, Suite 1600, 900 Second Avenue South, Minneapolis, MN 55402-3319 (US).

(81) Designated States: BR, CA, CN, JP, MX, RU, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

Before the expiration of the time limits for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: MOUNTING ASSEMBLY FOR A PRESSURE TRANSMITTER

(57) Abstract

The present invention relates to a mounting assembly (21) for a pressure sensor (30) in a pressure transmitter (10). The mounting assembly (21) includes a header (58) having a cavity (32) opening to a first surface (103). The cavity (32) is defined by an inner endwall (164) and an inner sidewall (130). A support (120) is joined to the inner endwall (164) within the cavity on a first support end (150). A pedestal (102) has a first pedestal end (102A) supporting the pressure sensor (30) and a second pedestal end (102B) joined to a second support end (136). Aligning means (132) align the second pedestal end (102B) to the second support end (136) in order that a volume of the mounting assembly (21) is increased to thereby reduce a quantity of fill fluid needed in the sensor cavity (32).

