



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶:

G01F 1/42, 15/18, F16L 1/10

A1

(11) International Publication Number:

WO 96/10161

(43) International Publication Date:

4 April 1996 (04.04.96)

(21) International Application Number: PCT/US95/11268

(22) International Filing Date: 8 September 1995 (08.09.95)

(30) Priority Data:

08/314,873

29 September 1994 (29.09.94)

US

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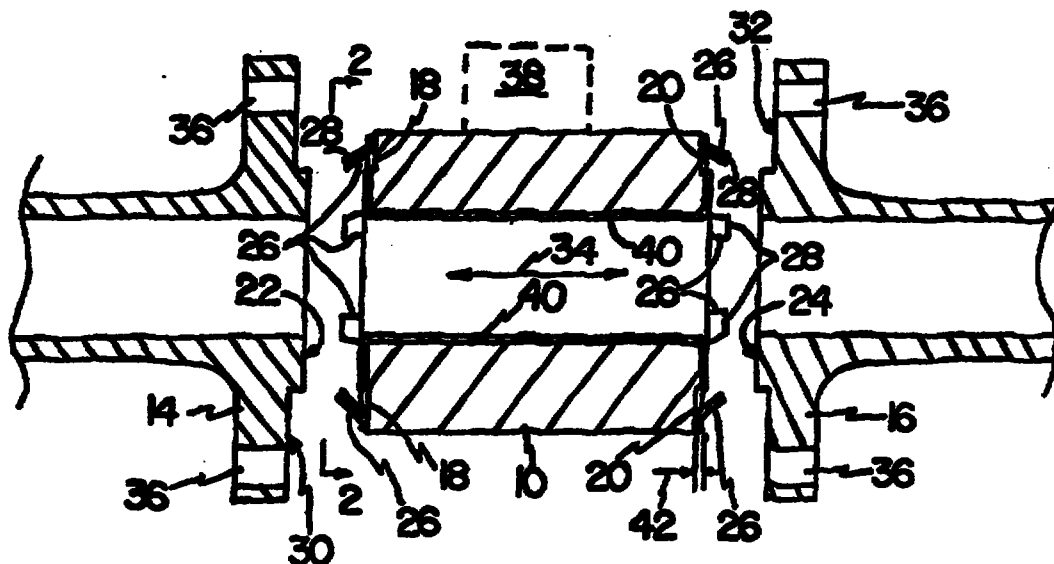
(81) Designated States: BR, CA, CN, JP, MX, (SG) European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

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

(54) Title: FLOWMETER ALIGNMENT DEVICE



(57) Abstract

A flowmeter alignment device comprises an alignment ring (18, 20) affixed to an end of a flowmeter flowtube (10) and having spring fingers (26) to engage the circumference of a pipe flange raised face (22, 24). In another embodiment a flowmeter alignment device comprises a semicircular or other arcuate body affixed to the flowtube end, the arcuate body (50) adapted to mate with the circumference of a pipe flange raised face (22, 24). The arcuate body (50) is shaped to permit lateral installation and removal of the flowtube from a mating pipe flange. In still another embodiment an alignment ring (66) is adapted also for use as an electrical grounding ring for electromagnetic flowmeters, or as an orifice plate for differential pressure-based flowmeters.

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