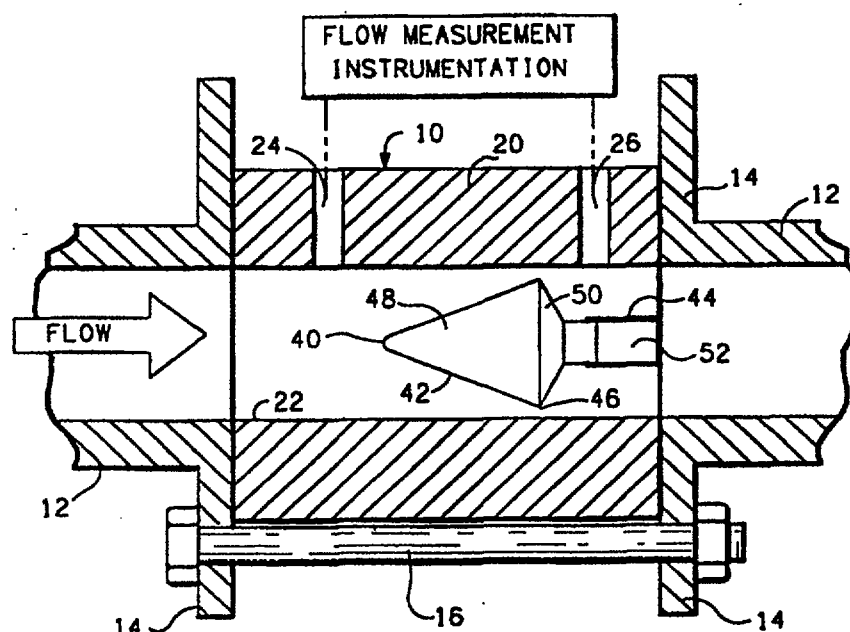




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(54) Title: FLUID FLOW APPARATUS **✓**

(57) Abstract

Fluid flow apparatus (10), including a one-piece fluid displacement member (42) removably mounted in a section of fluid conduit (20) so that no material joining is required. The displacement member is removably and replaceably mounted in the conduit section so that one displacement member can be replaced by one or more other displacement members and thereby accommodate a very broad range of fluid flows. The mounting or support (44) is provided at the downstream end of the displacement member which eliminates disturbances in the fluid flow around the displacement member and thereby provides for a highly stable signal. The signal is obtained via measurement taps (24, 26) in the wall of the conduit so that no measurement taps are required in or through the displacement member.