

Title (en)

LIQUID LEVEL GAUGE ASSEMBLY INCLUDING POTENTIOMETER WITH CONDUCTIVE POLYMERIC ELEMENT

Title (de)

FLÜSSIGKEITSSTANDSANZEIGEVORRICHTUNG MIT EINEM EIN LEITFÄHIGES POLYMERES ELEMENT UMFASSENDEM POTENTIOMETER

Title (fr)

ENSEMBLE JAUGE DE NIVEAU DE LIQUIDE COMPORTANT UN POTENTIOMETRE A ELEMENT POLYMERE CONDUCTEUR

Publication

EP 0830575 A4 19980812 (EN)

Application

EP 95933033 A 19950901

Priority

- US 9511206 W 19950901
- US 48571795 A 19950607

Abstract (en)

[origin: WO9641136A1] A liquid level gauge assembly utilizing one or more polymeric resistive elements is provided which measures the liquid level in a tank using a three-terminal voltage divider network or a two-terminal voltage or current network. The resistive elements being in slidable contact with a conductor mounted on a float such that the voltage across, or current through the resistive elements vary with the position of the conductor along the resistive elements. An elongate member (406) having external longitudinal grooves (414, 416, 418, 420) formed therein extends into the fluid in the tank. The polymeric resistive elements are in the form of electrically conductive strips (422, 424) and are positioned within grooves (416, 420) in the elongate member. The float (426) is provided with an opening for receiving the elongate member and electrical contacts (428, 430) supported thereon for making sliding contact with the conductive strips. The contacts of the float are electrically connected together to form the float conductor. Guide projections (426A, 426B) are provided on the float for engaging grooves (414, 418) of the elongate member.

IPC 1-7

G01F 23/60; **H01C 10/14**

IPC 8 full level

G01F 23/36 (2006.01); **G01F 23/68** (2006.01); **H01C 10/14** (2006.01)

CPC (source: EP)

G01F 23/36 (2013.01); **G01F 23/68** (2013.01); **H01C 10/14** (2013.01)

Citation (search report)

- [XY] DE 4243751 A1 19940630 - GEOCON MESSINFORMATIK GMBH [DE]
- [A] WO 9325869 A1 19931223 - FORD WERKE AG [DE], et al
- See references of WO 9641136A1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

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