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**(54) Title (EN):** FLUID PROPERTY DETECTION DEVICE

**(54) Title (FR):** DISPOSITIF DE DÉTECTION DE PROPRIÉTÉ DE FLUIDE

**(54) Title (JA):** 流体性状検出装置

**(57) Abstract:**

**(EN):** A fluid property detection device 100 comprises: a housing 10 that is attached to an external device, and retains an outside electrode 20 and an inside electrode 30; an outside insulation member 40 that is provided between the housing 10 and the outside electrode 20, insulates the housing 10 and the outside electrode, and regulates the position of the outside electrode 20 with regard to the housing 10; and an inside insulation member 50 that is provided between the outside electrode 20 and the inside electrode 30, insulates the outside electrode 20 and the inside electrode 30, insulates the housing 10 and the inside electrode 30, and regulates the position of the inside electrode 30 with regard to the housing 10, wherein tip end sections of the outside electrode 20 and the inside electrode 30 protrude from the housing 10 and are exposed to a detection target fluid, such as a working fluid, that is housed in the external device.

**(FR):** La présente invention concerne un dispositif de détection de propriété de fluide (100) qui comprend : un boîtier (10) qui est fixé à un dispositif externe et retient une électrode externe (20) et une électrode interne (30) ; un élément d'isolation externe (40) qui est disposé entre le boîtier (10) et l'électrode externe (20), isole le boîtier (10) et l'électrode externe (20), et régule la position de l'électrode externe (20) par rapport au boîtier (10) ; et un élément d'isolation interne (50) qui est disposé entre l'électrode externe (20) et l'électrode interne (30), isole l'électrode externe (20) et l'électrode interne (30), isole le boîtier (10) et l'électrode interne (30) et régule la position de l'électrode interne (30) par rapport au boîtier (10). Les sections d'extrémité de pointe de l'électrode externe (20) et de l'électrode interne (30) font saillie à partir du boîtier (10) et sont exposées à un fluide cible de détection, tel qu'un fluide de travail, qui est logé dans le dispositif externe.

**(JA):** 流体性状検出装置 100 は、外部装置に取り付けられ、外側電極 20 及び内側電極 30 を保持する筐体 10 と、筐体 10 と外側電極 20 との間に設けられ筐体 10 と外側電極 20 とを絶縁するとともに筐体 10 に対する外側電極 20 の位置を規定する外側絶縁部材 40 と、外側電極 20 と内側電極 30 との間に設けられ外側電極 20 と内側電極

30とを絶縁し、かつ、筐体10と内側電極30とを絶縁するとともに筐体10に対する内側電極30の位置を規定する内側絶縁部材50と、を備え、外側電極20及び内側電極30は、先端部が筐体10から突出し、外部装置に収容される作動油等の検出対象流体に露出する。

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