

Title (en)

ADAPTATION DEVICE FOR COUPLING AT LEAST ONE SENSOR TO A TUBE SLEEVE WALL OF A TUBE FOR FLUID MEASUREMENT, AND SENSOR DEVICE HAVING AN ADAPTATION DEVICE OF THIS TYPE

Title (de)

ADAPTIONSEINRICHTUNG ZUR ANKOPPLUNG MINDESTENS EINES SENSORS AN EINE SCHLAUCHMANTELWAND EINES SCHLAUCHS ZUR FLUIDVERMESSUNG SOWIE SENSORVORRICHTUNG MIT EINER DERARTIGEN ADAPTIONSEINRICHTUNG

Title (fr)

DISPOSITIF D'ADAPTATION POUR COUPLER AU MOINS UN CAPTEUR À UNE PAROI D'ENVELOPPE DE FLEXIBLE D'UN FLEXIBLE DE MESURE DE FLUIDE ET DISPOSITIF DE DÉTECTION DOTÉ D'UN TEL DISPOSITIF D'ADAPTATION

Publication

EP 4341658 A1 20240327 (DE)

Application

EP 22730360 A 20220511

Priority

- DE 102021204971 A 20210517
- EP 2022062776 W 20220511

Abstract (en)

[origin: WO2022243131A1] The invention relates to an adaptation device (1a) for coupling at least one sensor (5, 6) to a tube sleeve wall (2) of a tube (3) for measuring a property of a fluid which is conveyed through the tube (3). The adaptation device has an adapter through-opening (14) for providing a fluid connection via a tube sleeve wall through-opening (15) between a tube lumen (4) and the sensor (5). A sensor holder (16) holds the sensor (5) in the region of the adapter through-opening (14). An adapter sealing region (17) extends around the adapter through-opening (14) for circumferential sealing of the adaptation device (1a) around the adapter through-opening (14) with respect to the tube sleeve wall (2). This results in an adaptation device by which sensors, which are fundamentally suitable for measuring a fluid property of fluid conveyed through a tube, are made accessible for fluid measurement of this kind inside a sensor device.

IPC 8 full level

G01L 19/00 (2006.01); **A61B 5/00** (2006.01); **A61M 1/36** (2006.01); **G01D 11/30** (2006.01)

CPC (source: EP)

A61B 5/01 (2013.01); **A61B 5/0215** (2013.01); **A61B 5/6866** (2013.01); **A61M 1/3639** (2013.01); **G01D 11/30** (2013.01); **G01L 19/0023** (2013.01); **A61B 5/0075** (2013.01); **A61B 5/02156** (2013.01); **A61B 2560/0223** (2013.01); **A61B 2562/225** (2013.01); **A61M 2205/332** (2013.01); **A61M 2205/3368** (2013.01); **A61M 2205/70** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102021204971 A1 20221117; CN 117769642 A 20240326; EP 4341658 A1 20240327; WO 2022243131 A1 20221124

DOCDB simple family (application)

DE 102021204971 A 20210517; CN 202280035386 A 20220511; EP 2022062776 W 20220511; EP 22730360 A 20220511