Title (en)

MEASUREMENT SYSTEM FOR DETERMINING AND/OR MONITORING THE FLOW OF A MEASUREMENT MEDIUM THROUGH A MEASURING TUBE

Title (de)

MESSSYSTEM ZUR BESTIMMUNG UND/ODER ÜBERWACHUNG DES DURCHFLUSSES EINES MESSMEDIUMS DURCH EIN MESSROHR

Title (fr)

SYSTÈME DE MESURE POUR DÉTERMINER ET/OU SURVEILLER LE DÉBIT D'UN FLUIDE DE MESURE À TRAVERS UN TUBE DE MESURE

Publication

EP 2283326 A1 20110216 (DE)

Application

EP 09757509 A 20090602

Priority

- EP 2009056726 W 20090602
- DE 102008002166 A 20080603

Abstract (en)

[origin: WO2009147128A1] Measurement system for determining and/or monitoring the flow of a measurement medium through a measurement tube, comprising at least one ultrasound converter and at least one control/evaluation unit that determines, through the measurement signals and measurement data derived therefrom, the volume and/or mass flow of the measurement medium flowing in the measurement tube, wherein the ultrasound converter comprises at least one electromechanical converter element that sends and/or receives ultrasound signals, and comprising at least one coupling layer in the area between the electromechanical converter element and the measurement medium, said coupling layer conducting the ultrasound signals, said ultrasound converter being acoustically coupleable to the measurement tube and being at least partially modifiable according to the exterior shape of the measurement tube, and said electromechanical converter element being flexible.

IPC 8 full level

G01F 1/66 (2006.01)

CPC (source: EP US)

G01F 1/662 (2013.01 - EP US); **G01F 1/663** (2013.01 - EP US)

Citation (search report)

See references of WO 2009147128A1

Cited by

CN114413983A

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008002166 A1 20091210; EP 2283326 A1 20110216; RU 2010154163 A 20120720; RU 2466359 C2 20121110; US 2011132102 A1 20110609; US 8468897 B2 20130625; WO 2009147128 A1 20091210

DOCDB simple family (application)

DE 102008002166 A 20080603; EP 09757509 A 20090602; EP 2009056726 W 20090602; RU 2010154163 A 20090602; US 99606509 A 20090602