

Title (en)

METHODS AND APPARATUS FOR DIFFERENTIAL SIGNALING USING ABSOLUTE PRESSURE SENSORS

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUR DIFFERENZSIGNALISIERUNG UNTER VERWENDUNG VON ABSOLUTDRUCKSENSOREN

Title (fr)

MÉTHODES ET APPAREILLAGE POUR OBTENIR UN SIGNAL DIFFÉRENTIEL EN UTILISANT DES CAPTEURS DE PRESSION ABSOLUE

Publication

**EP 2002268 A4 20111005 (EN)**

Application

**EP 06740009 A 20060329**

Priority

US 2006011568 W 20060329

Abstract (en)

[origin: WO2007111611A1] A differential circuit (100) is configured to accept a differential excitation voltage (101) across its input terminals (102, 104) and, in conjunction with a pair of capacitive absolute pressure sensors (106, 108), is configured to produce a differential output (115). The excitation voltage (101) at one terminal (102) with respect to a common mode voltage is opposite in polarity from the voltage of the second terminal (104) with respect to the common mode voltage. In this way, absolute pressure sensors can be used in a way that achieves the benefits of differential circuits - e.g., high linearity and increased common mode noise rejection.

IPC 8 full level

**G01R 19/00** (2006.01); **G01L 9/12** (2006.01); **H03K 5/22** (2006.01)

CPC (source: EP)

**G01L 9/12** (2013.01); **H03K 5/24** (2013.01)

Citation (search report)

- [XII] US 2003057967 A1 20030327 - LIEN WEE LIANG [SG]
- [XAI] WO 2005101030 A1 20051027 - ANALOG DEVICES INC [US], et al
- See references of WO 2007111611A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 2007111611 A1 20071004**; EP 2002268 A1 20081217; EP 2002268 A4 20111005

DOCDB simple family (application)

**US 2006011568 W 20060329**; EP 06740009 A 20060329