

Title (en)

DRIFT COMPENSATION FOR IMPLANTED CAPACITANCE-BASED PRESSURE TRANSDUCER

Title (de)

DRIFTKOMPENSATION FÜR IMPLANTIERTE KAPAZITIVE DRUCKWANDLER

Title (fr)

COMPENSATION DE DÉRIVE POUR TRANSDUCTEUR DE PRESSION À BASE DE CAPACITÉ IMPLANTÉ

Publication

EP 2919646 B8 20190612 (EN)

Application

EP 13855953 A 20131110

Priority

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- IB 2013060038 W 20131110

Abstract (en)

[origin: WO2014076620A2] A method includes, in a living organ (28) in which an ambient pressure varies as a function of time, sensing the ambient pressure using a pressure sensor (36, 90, 174), which has a capacitance that varies in response to the ambient pressure, so as to produce a time-varying waveform. A calibration voltage, which modifies the capacitance and thus the time-varying waveform, is applied to the pressure sensor. The time-varying waveform is processed so as to isolate and measure a contribution of the calibration voltage to the waveform. A dependence of the capacitance on the ambient pressure is calibrated using the measured contribution of the calibration voltage.

IPC 8 full level

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