

Title (en)

TWO WIRE DIGITAL ULTRASONIC SENSOR USING BI-DIRECTIONAL POWER LINE COMMUNICATION

Title (de)

ZWEIDRAHTIGER DIGITALER ULTRASCHALLSENSOR MIT BIDIREKTIONALER NETZLEITUNGSKOMMUNIKATION

Title (fr)

DÉTECTEUR À ULTRASONS NUMÉRIQUE À DEUX FILS UTILISANT UN COURANT PORTEUR EN LIGNE BIDIRECTIONNEL

Publication

**EP 2215499 A4 20130102 (EN)**

Application

**EP 08843123 A 20081023**

Priority

- CA 2008001862 W 20081023
- US 9107 P 20071023

Abstract (en)

[origin: WO2009052616A1] A circuit arrangement having a master microcontroller operably connected to a sensor for detecting a parameter. The sensor and microcontroller are connected to a power source where a microcontroller power line is connected between the power source and the master microcontroller. A power communications line is connected between the power source, master microcontroller, and sensor, wherein the power communications line carries power to the sensor as well as communication signals between the sensor and the master microcontroller.

IPC 8 full level

**B60R 16/02** (2006.01); **G01S 13/935** (2020.01); **G01S 15/02** (2006.01); **G01S 15/931** (2020.01); **G08C 19/00** (2006.01); **H04B 3/54** (2006.01); **H04L 12/10** (2006.01)

CPC (source: EP)

**G01S 15/931** (2013.01); **H04B 3/548** (2013.01); **H04L 12/10** (2013.01); **G01S 2015/938** (2013.01); **H04B 2203/5458** (2013.01)

Citation (search report)

- [XYI] EP 1615050 A2 20060111 - DENSO CORP [JP]
- [Y] WO 2004095388 A2 20041104 - TOUCHSENSOR TECH LLC [US]
- See references of WO 2009052616A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2009052616 A1 20090430**; BR PI0818879 A2 20150505; CN 101868736 A 20101020; EP 2215499 A1 20100811; EP 2215499 A4 20130102

DOCDB simple family (application)

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