

Title (en)

DEVICE AND METHOD FOR MEASURING ACCELERATION WITH DIGITAL DEMODULATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESCHLEUNIGUNGSMESSUNG MIT DIGITALER DEMODULATION

Title (fr)

DISPOSITIF ET PROCEDE DE MESURE D'ACCELERATION AVEC DEMODULATION NUMERIQUE

Publication

EP 2721421 A1 20140423 (FR)

Application

EP 12729466 A 20120613

Priority

- FR 1101825 A 20110615
- EP 2012061201 W 20120613

Abstract (en)

[origin: WO2012171957A1] Device for measuring acceleration, comprising a mass (m) movable with respect to a support and returned elastically to a neutral position, means for detecting a physical magnitude (C1, C2) representative of a displacement (?x) of the mass, a moldulator (4) for generating, on the basis of the magnitude (C1, C2) and of a modulation signal (M(t)), an analog signal (S) representative of the displacement (?x), a convertor linked to the modulator and devised to convert the analog modulated signal into a digital modulated signal and means of demodulation for creating a digital demodulated signal (Y) on the basis of the digital modulated signal (S) and of characteristics of the modulation signal (M(t)), and means (CAL) for calculating a value (y) of acceleration (?) as a function of the demodulated digital signal (Y).

IPC 8 full level

G01P 15/125 (2006.01)

CPC (source: EP)

G01P 15/125 (2013.01)

Citation (search report)

See references of WO 2012171957A1

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

DOCDB simple family (publication)

WO 2012171957 A1 20121220; EP 2721421 A1 20140423; FR 2976674 A1 20121221; FR 2976674 B1 20131213

DOCDB simple family (application)

EP 2012061201 W 20120613; EP 12729466 A 20120613; FR 1101825 A 20110615