

Title (en)

SENSOR DEVICE AND METHOD FOR OPERATING A SENSOR DEVICE HAVING AT LEAST ONE SEISMIC MASS

Title (de)

SENSORVORRICHTUNG UND VERFAHREN ZUM BETREIBEN EINER SENSORVORRICHTUNG MIT MINDESTENS EINER SEISMISCHEN MASSE

Title (fr)

SYSTÈME DE CAPTEUR ET PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME DE CAPTEUR COMPRENANT AU MOINS UNE MASSE SISMIQUE

Publication

EP 3102910 A2 20161214 (DE)

Application

EP 15700735 A 20150121

Priority

- DE 102014202053 A 20140205
- EP 2015051055 W 20150121

Abstract (en)

[origin: WO2015117817A2] The invention relates to a sensor device, comprising at least one first seismic mass (10a) and an operating apparatus (14), by means of which at least the first seismic mass (10a) can be put into oscillatory motion in such a way that a projection of the oscillatory motion of the first seismic mass (10a) onto a first spatial direction (16a) is a first harmonic oscillation of the first seismic mass (10a) having a first frequency (F1) along the first spatial direction (16a), wherein at the same time a projection of the oscillatory motion of the first seismic mass (10a) onto a second spatial direction (16b) oriented at an angle to the first spatial direction (16a) is a second harmonic oscillation of the first seismic mass (10a) having a second frequency (f2) not equal to the first frequency (f1) along the second spatial direction (16b). The invention further relates to a method for operating a sensor device having at least one seismic mass (10a, 10b).

IPC 8 full level

G01C 19/574 (2012.01)

CPC (source: EP KR US)

G01C 19/5719 (2013.01 - US); **G01C 19/574** (2013.01 - EP KR US); **G01C 19/5747** (2013.01 - US); **G01D 21/02** (2013.01 - KR)

Citation (search report)

See references of WO 2015117817A2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014202053 A1 20150806; EP 3102910 A2 20161214; JP 2017506337 A 20170302; JP 6273029 B2 20180131; KR 102242082 B1 20210420; KR 20160117464 A 20161010; US 10260879 B2 20190416; US 2016356599 A1 20161208; WO 2015117817 A2 20150813; WO 2015117817 A3 20151029

DOCDB simple family (application)

DE 102014202053 A 20140205; EP 15700735 A 20150121; EP 2015051055 W 20150121; JP 2016550590 A 20150121; KR 20167021318 A 20150121; US 201515116924 A 20150121