Title (en)

Method for improving the pivoting of a mobile device

Title (de)

Verfahren zur Verbesserung der Schwenkbarkeit eines mobilen Geräts

Title (fr)

Procédé d'amélioration du pivotement d'un mobile

Publication

EP 2607970 B1 20180207 (FR)

Application

EP 11195125 A 20111222

Priority

EP 11195125 A 20111222

Abstract (en)

[origin: EP2607970A1] The method involves statically balancing a mobile body (1) so as to bring the center of gravity onto an axis (D), and determining a target value for a resulting imbalance moment of the mobile body about the axis. The mobile body is rotated about the axis of the mobile body at a predetermined speed, and the resulting imbalance moment of the mobile body relative to the axis is measured. A value of the imbalance moment of the mobile body about the axis is adjusted to within a given predetermined tolerance relative to the target value. Independent claims are also included for the following: (1) a mobile body for a scientific instrument (2) a mobile assembly for a scientific instrument.

IPC 8 full level

G04B 18/00 (2006.01); **G01M 1/36** (2006.01); **G04D 7/08** (2006.01)

CPC (source: EP)

G04B 18/006 (2013.01); **G04D 7/084** (2013.01); **G04D 7/085** (2013.01); **G04D 7/088** (2013.01)

Citation (examination)

None

Cited by

CN105974776A

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)

EP 2607970 A1 20130626; **EP 2607970 B1 20180207**

DOCDB simple family (application)

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