Title (en)

INERTIA MOVEMENT OF A MECHANICAL DISPLAY MEMBER

Title (de)

TRÄGHEITSBEWEGUNG EINES MECHANISCHEN ANZEIGEORGANS

Title (fr)

MOUVEMENT INERTIEL D'UN ORGANE D'AFFICHAGE MÉCANIQUE

Publication

EP 2466400 A1 20120620 (FR)

Application

EP 10195412 A 20101216

Priority

EP 10195412 A 20101216

Abstract (en)

The device (3) has an electronic circuit (31) for simulating and controlling an inertial motion of mechanical display units (2), where the device applies variable velocity of motion to the display units in response to activation of an activation unit (1), and generates inertial motion of the display units. A motor (61) drives the display units and defines a maximum velocity of motion for the display units. A sensor (4) detects impulse frequency (401), where acceleration and/or deceleration of the activation unit are calculated according to the frequency. An independent claim is also included for a method for adjusting display parameters visualized using mechanical display units.

Abstract (fr)

Dispositif de couplage 3 entre des moyens d'activation 1 et des moyens d'affichage mécaniques 2 d'un mécanisme d'affichage, le dispositif de couplage 3 étant adapté pour appliquer un mouvement auxdits moyens d'affichage mécaniques 2 en réponse à l'actionnement des moyens d'activation 1, caractérisé en ce que le mouvement appliqué aux moyens d'affichage mécaniques 2 est de type inertiel.

IPC 8 full level

G04C 3/14 (2006.01); **G04C 17/00** (2006.01)

CPC (source: EP KR US)

G04B 19/02 (2013.01 - KR); **G04C 3/146** (2013.01 - EP US); **G04C 17/00** (2013.01 - EP US)

Citation (applicant)

- GB 2019049 A 19791024 - SUWA SEIKOSHA KK
- CH 641630G A3 19840315

Citation (search report)

- [XY] US 4261048 A 19810407 - MOTOKI JINRO, et al
- [XI] US 4470707 A 19840911 - CHAMBON JEAN P [FR], et al
- [XI] EP 0361015 A2 19900404 - TIMEX CORP [US]
- [Y] GB 2019049 A 19791024 - SUWA SEIKOSHA KK

Cited by

CN112051980A

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)

EP 2466400 A1 20120620; **EP 2466400 B1 20190116**; CN 102662316 A 20120912; CN 102662316 B 20150610; HK 1175859 A1 20130712; JP 2012127967 A 20120705; JP 5475749 B2 20140416; KR 101354339 B1 20140122; KR 20120067972 A 20120626; US 2012155223 A1 20120621; US 8737174 B2 20140527

DOCDB simple family (application)

EP 10195412 A 20101216; CN 201110425174 A 20111216; HK 13102984 A 20130311; JP 2011275326 A 20111216; KR 20110136823 A 20111216; US 201113314433 A 20111208