

Title (en)

Oscillating mass to recharge the energy source of a portable instrument

Title (de)

Schwingmasse zum Wiederaufladen der Energiequelle eines tragbaren Instruments

Title (fr)

Masse oscillante pour recharger la source d'énergie d'un instrument portable

Publication

EP 1918789 A1 20080507 (FR)

Application

EP 06022676 A 20061031

Priority

EP 06022676 A 20061031

Abstract (en)

The primary oscillating weight (10) is secured to a drive arbour (6). The secondary oscillating weight (20) is mobile relative to the primary weight to cause the initial impulse. The secondary weight is formed by a part assembled to the primary weight from the exterior, while being able to have a travel between two stopper (12a, 12b) of a guide unit (14) located on the periphery of the primary weight. The primary weight is made up of an armature formed by a ring for securing to the drive arbour extended radially by two arms.

Abstract (fr)

La masse oscillante comprend une masse oscillante primaire (10) solidaire d'un axe moteur (6) et au moins une masse oscillante secondaire (20) mobile par rapport à la masse primaire pour provoquer l'impulsion initiale. La masse secondaire (20) est constituée par une pièce assemblée depuis l'extérieur à la masse primaire (10), en étant apte à avoir un débattement entre deux butées (12a, 12b) d'un moyen de guidage (14, 18) situé à la périphérie de la masse primaire (10).

IPC 8 full level

G04B 5/16 (2006.01)

CPC (source: EP KR US)

G04B 5/00 (2013.01 - KR); **G04B 5/04** (2013.01 - KR); **G04B 5/165** (2013.01 - EP US)

Citation (search report)

- [DX] CH 149136 A 19310831 - TAVANNES WATCH CO SA [CH]
- [A] FR 704910 A 19310528 - HATOT LEON ETS
- [DA] CH 317534 A 19561130 - BUEREN WATCH COMPANY S A [CH]

Cited by

EP3879354A1; EP3964896A1; US11927921B2; WO2020089877A1; US11892806B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1918789 A1 20080507; **EP 1918789 B1 20081224**; AT E418751 T1 20090115; CN 101174131 A 20080507; CN 101174131 B 20111019; DE 602006004465 D1 20090205; HK 1119787 A1 20090313; JP 2008116454 A 20080522; JP 5198830 B2 20130515; KR 101304759 B1 20130905; KR 20080039236 A 20080507; SG 142257 A1 20080528; US 2008101163 A1 20080501; US 7547136 B2 20090616

DOCDB simple family (application)

EP 06022676 A 20061031; AT 06022676 T 20061031; CN 200710185162 A 20071030; DE 602006004465 T 20061031; HK 08111832 A 20081028; JP 2007281545 A 20071030; KR 20070105858 A 20071022; SG 2007169600 A 20071016; US 93242107 A 20071031