

Title (en)
CLOCK BALANCE

Title (de)
UNRUH FÜR UHRWERK

Title (fr)
BALANCIER D'HORLOGERIE

Publication
EP 3736640 B1 20221221 (FR)

Application
EP 19173069 A 20190507

Priority
EP 19173069 A 20190507

Abstract (en)
[origin: CN111913381A] A balance for a horological movement, including rigid parts constituted by a hub defining the pivot axis of the balance, at least one felloe sector, at least one arm connecting the at least one felloesector to said hub, and including a slot for receiving and gripping in position an inertia-block, the slot opening into a housing delimited on the one hand by a rigid part of the balance, and on the other hand an elastic arm including a first end integral with a rigid part of the balance, and a second free distal end. The elastic arm can have a body of a non-constant section, a part of the body having a greater thickness than the rest of the elastic arm so as to have a larger volume of material under stress and store a maximum of elastic energy.

IPC 8 full level
G04B 18/00 (2006.01); **G04B 17/06** (2006.01)

CPC (source: CN EP RU US)
G04B 17/00 (2013.01 - RU); **G04B 17/063** (2013.01 - CN EP US); **G04B 18/006** (2013.01 - EP US); **G04B 18/04** (2013.01 - US);
G04B 18/08 (2013.01 - US)

Cited by
EP3839656B1

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 3736640 A1 20201111; **EP 3736640 B1 20221221**; CN 111913381 A 20201110; CN 111913381 B 20220607; JP 2020183937 A 20201112; JP 6960498 B2 20211105; RU 2745732 C1 20210331; US 11531304 B2 20221220; US 2020356055 A1 20201112

DOCDB simple family (application)
EP 19173069 A 20190507; CN 202010377677 A 20200507; JP 2020068141 A 20200406; RU 2020115006 A 20200428; US 202016829053 A 20200325