

Title (en)

OSCILLATOR FOR A TIMEPIECE MOVEMENT AND TIMEPIECE COMPRISING SUCH AN OSCILLATOR

Title (de)

OSZILLATOR FÜR UHRWERK UND UHR MIT EINEM SOLCHEN OSZILLATOR

Title (fr)

OSCILLATEUR POUR MOUVEMENT HORLOGER ET PIÈCE D'HORLOGERIE COMPORTANT UN TEL OSCILLATEUR

Publication

EP 3994531 A1 20220511 (FR)

Application

EP 20743321 A 20200622

Priority

- CH 8712019 A 20190702
- IB 2020055879 W 20200622

Abstract (en)

[origin: WO2021001722A1] The invention relates to a balance wheel-hairspring oscillator (10) comprising: a balance wheel shaft (18) intended to be pivotably mounted on a frame of a timepiece; a balance wheel (12) secured to the balance wheel shaft (18); a hairspring (14) comprising an inner end (14a) secured to the balance wheel shaft and an outer end (14b) intended to be connected to a connecting member (16) to said frame, and a transmission member (20, 22) arranged to interact with an escapement. The balance wheel (12) and the hairspring (16) are arranged on either side of the transmission member.

IPC 8 full level

G04B 45/02 (2006.01); **G04B 17/06** (2006.01); **G04B 27/02** (2006.01)

CPC (source: CH CN EP US)

G04B 17/06 (2013.01 - CN EP); **G04B 17/063** (2013.01 - CH CN US); **G04B 17/32** (2013.01 - CH CN); **G04B 17/34** (2013.01 - US); **G04B 27/004** (2013.01 - CH CN US); **G04B 27/02** (2013.01 - CN EP); **G04B 27/04** (2013.01 - CH CN); **G04B 33/00** (2013.01 - CH CN); **G04B 45/02** (2013.01 - CN EP); **G04B 45/02** (2013.01 - CH)

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)

WO 2021001722 A1 20210107; CH 716384 A1 20210115; CN 114080572 A 20220222; EP 3994531 A1 20220511; JP 2022539967 A 20220914; JP 7506694 B2 20240626; US 2022413437 A1 20221229

DOCDB simple family (application)

IB 2020055879 W 20200622; CH 8712019 A 20190702; CN 202080048439 A 20200622; EP 20743321 A 20200622; JP 2021572393 A 20200622; US 202017618538 A 20200622