

Title (en)

CONSTANT-ENERGY ESCAPEMENT FOR TIMEPIECE

Title (de)

KONSTANTENERGIEHEHMUNG FÜR UHR

Title (fr)

ECHAPPEMENT A ENERGIE CONSTANTE POUR PIECE D'HORLOGERIE

Publication

**EP 4338015 A1 20240320 (FR)**

Application

**EP 22728852 A 20220512**

Priority

- CH 5422021 A 20210512
- EP 2022062883 W 20220512

Abstract (en)

[origin: WO2022238524A1] The invention relates to an escapement device for a mechanical timepiece comprising an escapement wheel (1) engaging with a balance (2) and a wheel assembly (3). The balance (2) engages with the escapement wheel by locking means and with the balance wheel roller (4) by clearance means. The wheel assembly 3 comprises elastic means and engages with the teeth (1.2) of the escapement wheel (1) by winding means and with the balance wheel roller (4) by impulse means. This compact escapement device is able to provide the balance wheel with a practically constant amount of energy in a variable torque range of the barrel.

IPC 8 full level

**G04B 15/10** (2006.01); **G04B 15/14** (2006.01)

CPC (source: CH EP)

**G04B 15/08** (2013.01 - CH); **G04B 15/10** (2013.01 - CH EP); **G04B 15/14** (2013.01 - CH EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**CH 718624 A2 20221115**; **CH 718624 B1 20240531**; CN 117280284 A 20231222; EP 4338015 A1 20240320; JP 2024516910 A 20240417; WO 2022238524 A1 20221117

DOCDB simple family (application)

**CH 5422021 A 20210512**; CN 202280033300 A 20220512; EP 2022062883 W 20220512; EP 22728852 A 20220512; JP 2023570155 A 20220512