

Title (en)

ALARM CLOCK MECHANISM AND TIMEPIECE COMPRISING SUCH A MECHANISM

Title (de)

WECKMECHANISMUS UND MIT EINEM SOLCHEN MECHANISMUS AUSGESTATTETE UHR

Title (fr)

MECANISME DE REVEIL ET PIECE D'HORLOGERIE COMPORTANT UN TEL MECANISME

Publication

**EP 3811158 B1 20230726 (FR)**

Application

**EP 19744846 A 20190607**

Priority

- EP 18178908 A 20180620
- IB 2019054754 W 20190607

Abstract (en)

[origin: WO2019243940A1] The alarm clock mechanism for a timepiece can be either in an activated state or in a deactivated state, and comprises an alarm mechanism, a mainspring (15) arranged to unwind while driving the alarm mechanism following a triggering of the latter, a manually operated mechanism (13, 51, 55, 41) arranged to alternately activate and deactivate the alarm clock mechanism, a triggering system (21, 25, 29, 31, 33) comprising a cam (21) kinematically connected to the movement and arranged to control the triggering of the alarm mechanism at a pre-programmed time if the alarm clock mechanism is in the activated state. The alarm clock mechanism is characterised in that it further comprises a lifting lever (63) arranged to neutralise the function for activating the alarm clock mechanism by the manually operated mechanism (13, 51, 55, 41), when the degree of winding of the mainspring (15) is less than a predefined threshold value.

IPC 8 full level

**G04B 23/02** (2006.01); **G04B 9/02** (2006.01)

CPC (source: EP)

**G04B 9/02** (2013.01); **G04B 23/025** (2013.01)

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)

**WO 2019243940 A1 20191226**; EP 3811158 A1 20210428; EP 3811158 B1 20230726

DOCDB simple family (application)

**IB 2019054754 W 20190607**; EP 19744846 A 20190607