

Title (en)  
TIME-SETTING MECHANISM FOR A CLOCK MOVEMENT

Title (de)  
STELLMECHANISMUS FÜR UHRWERK

Title (fr)  
MÉCANISME DE MISE À L'HEURE POUR MOUVEMENT HORLOGER

Publication  
**EP 3462251 B1 20200610 (FR)**

Application  
**EP 17193963 A 20170929**

Priority  
EP 17193963 A 20170929

Abstract (en)  
[origin: US2019101867A1] The invention relates to a setting mechanism for a timepiece movement, including a setting gear train, a winder rod adapted to be moved from a first axial position termed a running position to a second axial position termed a setting position, a sliding pinion adapted to be moved from a first axial position in which the sliding pinion is disengaged from the setting gear train to a second axial position in which the sliding pinion meshes with the setting gear train, and a lever interengaged with the sliding pinion and adapted to pivot, when the winding rod is moved from a running position to a setting position and vice versa, in order to move the sliding pinion from the first axial position to the second and vice versa. The setting mechanism further includes, according to the invention, a device for immobilizing the setting gear train. This immobilizing device includes first and second immobilizing arms and an immobilizing wheel interengaged with the setting gear train. The first and second immobilizing arms are adapted, on the one hand, to the interengaged with the immobilizing wheel in a configuration termed locked in which the setting gear train is immobilized and, on the other hand, to be disengaged from the immobilizing wheel in a configuration termed unlocked in which the sliding pinion is free from meshing with the setting gear train. The immobilizing device includes to this end a locking/unlocking lever interengaged with the sliding pinion and adapted to cooperate with the first and second immobilizing arms in order to pass from the locked configuration to the unlocked configuration and vice versa when the winding rod is moved from a running position to a setting position and vice versa.

IPC 8 full level  
**G04B 27/02** (2006.01); **G04B 27/04** (2006.01)

CPC (source: CN EP US)  
**G04B 3/04** (2013.01 - CN); **G04B 13/00** (2013.01 - CN); **G04B 27/00** (2013.01 - CN); **G04B 27/02** (2013.01 - EP US);  
**G04B 27/04** (2013.01 - EP US); **G04B 27/045** (2013.01 - US)

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 3462251 A1 20190403**; **EP 3462251 B1 20200610**; CN 109581852 A 20190405; CN 109581852 B 20201211; JP 2019066469 A 20190425;  
JP 6547048 B2 20190717; US 10955799 B2 20210323; US 2019101867 A1 20190404

DOCDB simple family (application)  
**EP 17193963 A 20170929**; CN 201811139626 A 20180928; JP 2018173313 A 20180918; US 201816104180 A 20180817