

Title (en)

MECHANICAL CLOCK MOVEMENT WITH POWER-RESERVE DETECTION

Title (de)

MECHANISCHES UHRWERK MIT ERFASSUNG DER GANGRESERVE

Title (fr)

MOUVEMENT D'HORLOGERIE MÉCANIQUE À DÉTECTION DE RÉSERVE DE MARCHE

Publication

EP 3306416 B1 20190821 (FR)

Application

EP 16192251 A 20161004

Priority

EP 16192251 A 20161004

Abstract (en)

[origin: US2018095424A1] The mechanical timepiece movement with running reserve indication comprises at least one barrel system with a winding output connected to a winding wheel of a differential gear, and with an unwinding output connected to an unwinding wheel of the differential gear. It includes a locking wheel set driven in rotation by an intermediate wheel of the differential gear. The locking wheel set is connected to a running reserve indicator to display the running reserve. The locking wheel set includes a locking element for coming into contact with the unwinding wheel of the differential gear when the running reserve is at zero, in order to lock the timepiece movement.

IPC 8 full level

G04B 9/00 (2006.01)

CPC (source: CN EP US)

G04B 1/12 (2013.01 - US); **G04B 1/16** (2013.01 - CN); **G04B 3/043** (2013.01 - US); **G04B 9/005** (2013.01 - EP); **G04B 13/02** (2013.01 - CN); **G04B 27/045** (2013.01 - US); **G04B 9/005** (2013.01 - US); **G04B 9/02** (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 3306416 A1 20180411; **EP 3306416 B1 20190821**; CN 107894699 A 20180410; CN 107894699 B 20200410; HK 1252258 A1 20190524; JP 2018059906 A 20180412; JP 6405429 B2 20181017; US 10365612 B2 20190730; US 2018095424 A1 20180405

DOCDB simple family (application)

EP 16192251 A 20161004; CN 201710890061 A 20170927; HK 18111497 A 20180906; JP 2017160964 A 20170824; US 201715681458 A 20170821