

Title (en)

CLOCK MOVEMENT INCLUDING A TOURBILLON WITH A FIXED MAGNETIC WHEEL

Title (de)

UHRWERK, DAS EIN TOURBILLON MIT EINEM FESTEN MAGNETISCHEN RAD UMFASST

Title (fr)

MOUVEMENT D'HORLOGERIE COMPORTANT UN TOURBILLON AVEC UNE ROUE MAGNETIQUE FIXE

Publication

EP 3663868 B1 20210908 (FR)

Application

EP 18210925 A 20181207

Priority

EP 18210925 A 20181207

Abstract (en)

[origin: JP2020091282A] To provide a timepiece movement that simplifies a regulating member in a timepiece tourbillon.SOLUTION: A timepiece tourbillon comprises a carriage 1 mounted pivotally about a tourbillon axis DT with respect to a structure and carrying a balance 2 pivoting about a balance axis DB. The balance is arranged to cooperate in a reciprocating motion with a stop device 3 mounted pivotally on the carriage. The tourbillon includes a fixed magnetic wheel fixed to the structure, the fixed magnetic wheel comprising at least one continuous magnetic track and/or a series of magnets. The magnetic track is arranged to cooperate by magnetic repulsion and/or attraction with at least one magnet included in the stop device in a reciprocating motion of the stop device with respect to the fixed magnetic wheel.SELECTED DRAWING: Figure 7

IPC 8 full level

G04B 17/28 (2006.01)

CPC (source: CN EP US)

G04B 15/00 (2013.01 - CN); **G04B 15/14** (2013.01 - CN); **G04B 17/28** (2013.01 - CN); **G04B 17/285** (2013.01 - EP US);
G04B 17/32 (2013.01 - CN)

Cited by

EP4016195A1; CN114647174A; CH718187A1

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 3663868 A1 20200610; **EP 3663868 B1 20210908**; CN 111290231 A 20200616; CN 111290231 B 20210907; JP 2020091282 A 20200611;
JP 6810784 B2 20210106; US 11507022 B2 20221122; US 2020183330 A1 20200611

DOCDB simple family (application)

EP 18210925 A 20181207; CN 201911224996 A 20191204; JP 2019205980 A 20191114; US 201916664019 A 20191025