

Title (en)
TORQUE SMOOTHING FOR TIMEPIECE WITH CHIMING MECHANISM, IN PARTICULAR WITH CHIMING MECHANISM

Title (de)
DREHMOMENTGLÄTTUNG FÜR UHR MIT EINEM SCHLAGWERKMECHANISMUS, INSBESONDERE MIT SCHLAGWERKMECHANISMUS

Title (fr)
LISSAGE DE COUPLE POUR PIÈCE D'HORLOGERIE AVEC MÉCANISME DE SONNERIE, NOTAMMENT AVEC MÉCANISME DE SONNERIE

Publication
EP 3435176 B1 20220126 (FR)

Application
EP 17207336 A 20171214

Priority
EP 17182973 A 20170725

Abstract (en)
[origin: US2019033790A1] Stopping mechanism for a striking mechanism comprising energy storage means including a power reserve transmission wheel set, a strike wheel set comprising a detent ratchet, a main click for the passing strike function and/or a repeater release click, the stopping mechanism includes an uncoupling lever for moving the clicks away from the strike wheel set, by an instantaneous jump of a lever changing the position of the uncoupling lever, when the level of energy of the storage means crosses a predefined threshold, through the cooperation between a finger, driven by the power reserve transmission wheel set, and a jumper returned by a first spring, to bring the finger to bear on a fork of the lever to cause it to pivot abruptly by instantaneously changing the position of a lug with respect to a second spring.

IPC 8 full level
G04B 9/02 (2006.01); **G04B 21/10** (2006.01); **G04B 23/12** (2006.01); **G04B 31/08** (2006.01); **G04D 3/00** (2006.01); **G04B 21/14** (2006.01)

CPC (source: CN EP KR RU US)
G04B 9/02 (2013.01 - EP KR RU US); **G04B 13/00** (2013.01 - CN US); **G04B 19/02** (2013.01 - CN US); **G04B 19/065** (2013.01 - KR); **G04B 21/02** (2013.01 - KR US); **G04B 21/10** (2013.01 - EP RU US); **G04B 21/12** (2013.01 - CN); **G04B 23/02** (2013.01 - CN); **G04B 23/12** (2013.01 - EP RU US); **G04B 31/08** (2013.01 - EP); **G04D 3/0071** (2013.01 - EP); **G04B 21/14** (2013.01 - EP 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 3435169 A1 20190130; EP 3435169 B1 20230301; CN 109298618 A 20190201; CN 109298618 B 20200918; EP 3435176 A1 20190130; EP 3435176 B1 20220126; JP 2019028066 A 20190221; JP 6606584 B2 20191113; KR 102124250 B1 20200618; KR 20190011683 A 20190207; RU 2018127175 A 20200127; RU 2018127175 A3 20210924; RU 2766374 C2 20220315; US 10732570 B2 20200804; US 2019033790 A1 20190131

DOCDB simple family (application)
EP 17182973 A 20170725; CN 201810829181 A 20180725; EP 17207336 A 20171214; JP 2018136531 A 20180720; KR 20180084652 A 20180720; RU 2018127175 A 20180724; US 201816020288 A 20180627