

Title (en)  
TIMEPIECE MOBILE WITH UNIDIRECTIONAL WHEEL

Title (de)  
TRIEBFEDER EINES UHRWERKS MIT UNIDIREKTIONALEM ZAHNRAD

Title (fr)  
MOBILE D'HORLOGERIE A ROUE UNIDIRECTIONNELLE

Publication  
**EP 3489761 B1 20200506 (FR)**

Application  
**EP 17203600 A 20171124**

Priority  
EP 17203600 A 20171124

Abstract (en)  
[origin: US2019163134A1] Timepiece wheel set with a unidirectional wheel rotating in only one direction in cooperation with a ratchet wheel, which is movable inside a ratchet wheel chamber, comprising a click that rotates integrally with this wheel, which forms a one-piece component comprising at least one spring-arm, at the end of which, on a first side, a beak cooperates directly with the toothing of a ratchet wheel in an operating position in which this spring-arm is free, and on a second side, a first hook can cooperate with a second hook of complementary shape, comprised in this one-piece click, in a rest position in which this spring-arm is in an extended position, the elasticity thereof allowing this first hook to be hooked or unhooked with respect to this second hook by the action of an operator, by maximum elongation of this spring-arm and/or by the tilting of this end.

IPC 8 full level  
**G04B 11/00** (2006.01); **G04B 1/14** (2006.01); **G04B 1/16** (2006.01); **G04B 11/02** (2006.01); **G04B 3/04** (2006.01)

CPC (source: CH EP KR RU US)  
**G04B 1/10** (2013.01 - KR); **G04B 1/12** (2013.01 - CH EP); **G04B 1/14** (2013.01 - EP US); **G04B 1/16** (2013.01 - EP US);  
**G04B 11/00** (2013.01 - RU); **G04B 11/008** (2013.01 - EP US); **G04B 11/02** (2013.01 - EP); **G04B 11/022** (2013.01 - EP US);  
**G04B 11/024** (2013.01 - CH KR); **G04B 13/02** (2013.01 - KR); **G04D 7/04** (2013.01 - CH EP); **G04B 3/04** (2013.01 - EP US)

Cited by  
CH716774A1; EP4375759A1

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 3489761 A1 20190529**; **EP 3489761 B1 20200506**; CH 714365 A2 20190531; CH 714365 B1 20230331; CN 109839811 A 20190604;  
CN 109839811 B 20200918; JP 2019095437 A 20190620; JP 6694935 B2 20200520; KR 102159433 B1 20200924;  
KR 20190060665 A 20190603; RU 2699924 C1 20190911; US 11372370 B2 20220628; US 2019163134 A1 20190530

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**EP 17203600 A 20171124**; CH 14282017 A 20171124; CN 201811306308 A 20181105; JP 2018208711 A 20181106;  
KR 20180131757 A 20181031; RU 2018141216 A 20181123; US 201816163020 A 20181017