

Title (en)

Column wheel and chronograph mechanism comprising such a wheel

Title (de)

Schaltrad und Mechanismus für einen Chronographen, der ein solches Rad umfasst

Title (fr)

Roue à colonnes et mécanisme de chronographe comportant une telle roue

Publication

**EP 2602672 B1 20140716 (FR)**

Application

**EP 11192668 A 20111208**

Priority

EP 11192668 A 20111208

Abstract (en)

[origin: EP2602672A1] The wheel (40) has a ratchet (42) and a central hub. A superstructure is arranged coaxial to the column wheel, where the superstructure comprises a set of radial arms, and a set of columns that is parallel to an axis of rotation of the column wheel. The set of columns is regularly distributed along a circumference of the column wheel. A width of the columns measured between a leading edge and a trailing edge is larger than a width of openings between the columns. A width of the arms at a narrowest point is less than half the width of the columns. An independent claim is also included for a stop watch.

IPC 8 full level

**G04B 13/02** (2006.01); **G04F 7/08** (2006.01)

CPC (source: EP RU US)

**G04B 13/02** (2013.01 - RU US); **G04B 13/027** (2013.01 - EP US); **G04B 13/028** (2013.01 - EP US); **G04F 7/0847** (2013.01 - EP RU US); **G04F 7/0857** (2013.01 - EP)

Cited by

KR20180101519A; EP3002643A3; US11598397B2; US11454303B2; US11667351B2; US11624432B2; US11530739B2; US12000458B2; EP4310606A1; WO2024018336A1; EP3002643B1

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 2602672 A1 20130612**; **EP 2602672 B1 20140716**; CN 103163776 A 20130619; CN 103163776 B 20150916; HK 1186535 A1 20140314; JP 2013120189 A 20130617; JP 5443579 B2 20140319; RU 2012152917 A 20140620; RU 2603590 C2 20161127; US 2013148475 A1 20130613; US 8920021 B2 20141230

DOCDB simple family (application)

**EP 11192668 A 20111208**; CN 201210526521 A 20121207; HK 13113953 A 20131216; JP 2012267863 A 20121207; RU 2012152917 A 20121207; US 201213693689 A 20121204