

Title (en)
SYSTEM FOR ATTACHING A HAIRSPRING

Title (de)
BEFESTIGUNGSSYSTEM EINER SPIRALFEDER

Title (fr)
SYSTÈME DE FIXATION D'UN RESSORT SPIRAL

Publication
EP 3032354 A1 20160615 (FR)

Application
EP 15196169 A 20151125

Priority
• EP 14195264 A 20141127
• EP 15196169 A 20151125

Abstract (en)
[origin: JP2016102788A] PROBLEM TO BE SOLVED: To provide a balance spring system of a horology movement.SOLUTION: The system comprises: a balance spring 1; a movement blank; a first element 1c for indexing the position, in particular the angular position, of an outer end of the balance spring 1 relative to the blank, the first indexing element 1c configured to cooperate with a second indexing element provided on the blank; and a unit OL for connection of the outer end of the balance spring 1. The first indexing element 1c is configured to be displaceable, in particular in rotation, relative to the connection unit.SELECTED DRAWING: Figure 3

Abstract (fr)
Système de ressort-spiral de mouvement horloger, comprenant : - un ressort-spiral (1), - une ébauche du mouvement, - un premier élément d'indexation (1 c) en position d'une extrémité extérieure (10) du ressort-spiral relativement à l'ébauche, et - un organe (OL) de liaison de l'extrémité extérieure (10) du ressort-spiral à l'ébauche du mouvement, le premier élément d'indexation (1 c) étant agencé de sorte à être déplaçable relativement à l'organe (OL) de liaison.

IPC 8 full level
G04B 18/06 (2006.01)

CPC (source: CN EP US)
G04B 17/063 (2013.01 - US); **G04B 17/066** (2013.01 - CN); **G04B 17/325** (2013.01 - CN US); **G04B 18/02** (2013.01 - US); **G04B 18/023** (2013.01 - CN); **G04B 18/026** (2013.01 - CN); **G04B 18/06** (2013.01 - CN EP US); **G04D 7/10** (2013.01 - US)

Citation (applicant)
• EP 1798609 A2 20070620 - PATEK PHILIPPE SA [CH]
• EP 2437126 A1 20120404 - ROLEX SA [CH]
• EP 2799937 A1 20141105 - ROLEX SA [CH]
• EP 2570868 A1 20130320 - PATEK PHILIPPE SA GENEVE [CH]
• EP 2565730 A1 20130306 - ETA SA MFT HORLOGERE SUISSE [CH]

Citation (search report)
• [X] CH 705605 A2 20130415 - FREDERIQUE CONSTANT S A [CH]
• [X] US 273138 A 18830227
• [X] US 1181510 A 19160502 - EBERHARD GEORGE F [US], et al
• [X] FR 1293095 A 19620511
• [X] EP 2781970 A1 20140924 - NIVAROX SA [CH]
• [X] CH 700408 A2 20100813 - SEIKO INSTR INC [JP]

Cited by
EP4148505A1; EP4099101A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3032354 A1 20160615; EP 3032354 B1 20210526; CN 105652629 A 20160608; CN 105652629 B 20200519; JP 2016102788 A 20160602; JP 6710041 B2 20200617; US 2016154379 A1 20160602; US 9811054 B2 20171107

DOCDB simple family (application)
EP 15196169 A 20151125; CN 201511035360 A 20151126; JP 2015223787 A 20151116; US 201514952414 A 20151125