

Title (en)

One-piece composite pin - safety roller

Title (de)

Monoblock-Verbundteil, bestehend aus Dübel und kleine Rolle

Title (fr)

Pièce composite monobloc cheville- petit plateau

Publication

**EP 2924517 A1 20150930 (FR)**

Application

**EP 15155596 A 20150218**

Priority

- EP 14161282 A 20140324
- EP 15155596 A 20150218

Abstract (en)

[origin: US2015268631A1] The invention relates to a one-piece composite micromechanical timepiece component including a first functional level including an impulse pin made of a first material arranged to cooperate with a member, the first functional level also including an electroformed portion made of a second metallic material partially overlapping the impulse pin and a second functional level including only the electroformed portion forming a roller also arranged to cooperate with the member.

Abstract (fr)

Pièce horlogère de micromécanique composite monobloc (1) comportant un premier niveau fonctionnel (N 1 ) comportant une cheville (3) en un premier matériau agencé pour coopérer avec un organe, le premier niveau fonctionnel (N 1 ) comportant également une partie électroformée (5) en un deuxième matériau métallique en recouvrement partiel avec ladite cheville et un deuxième niveau fonctionnel (N 2 ) comportant uniquement ladite partie électroformée formant un plateau agencé pour coopérer également avec ledit organe

IPC 8 full level

**G04B 15/14** (2006.01)

CPC (source: EP US)

**G04B 15/08** (2013.01 - US); **G04B 15/14** (2013.01 - EP US); **G04B 17/063** (2013.01 - US)

Citation (search report)

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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 2924517 A1 20150930; EP 2924517 B1 20161109**; CN 104950656 A 20150930; CN 104950656 B 20170808; HK 1215605 A1 20160902; JP 2015184281 A 20151022; JP 5947415 B2 20160706; RU 2593140 C1 20160727; TW 201604666 A 20160201; TW I551962 B 20161001; US 2015268631 A1 20150924; US 9223291 B2 20151229

DOCDB simple family (application)

**EP 15155596 A 20150218**; CN 201510128260 A 20150323; HK 16103582 A 20160329; JP 2015059004 A 20150323; RU 2015110315 A 20150323; TW 104108950 A 20150320; US 201514662439 A 20150319