

Title (en)  
Screwless clock stud holder

Title (de)  
Schraubenloser Spiralklötzchen-Träger für Uhr

Title (fr)  
Porte-piton d'horlogerie sans vis

Publication  
**EP 2876504 A1 20150527 (FR)**

Application  
**EP 13193609 A 20131120**

Priority  
EP 13193609 A 20131120

Abstract (en)  
[origin: CN204331292U] The utility model relates to an assembly for holding or supporting a timekeeper hairspring (21), a timekeeper escapement mechanism, a timekeeper movement, and a timekeeper. The assembly comprises a hairspring outer pile (1) and an outer pile holding element (2). The outer pile holding element includes a fixing device (6) for fixing the outer pile holding element at the escapement mechanism (30). The outer pile includes a lateral support surface (7) that can limit the direction of holding or supporting the hairspring. The outer pile holding element (2) is divided into two parts and includes a rigid structure (5) for bearing the fixing device (6) and a belt type spring (8); the belt type spring pressed against the rigid structure (5) contains at least one elastic lip sheet (9); the elastic lip sheet and the rigid structure (5) limit a cavity (10) for accommodating the outer pile (1) jointly; and the elastic lip sheet cooperates with the lateral support surface (7) of the outer pile (1) to hold the outer pile (1) at a calibrated locking position.

Abstract (fr)  
Ensemble (20) de maintien d'un ressort-spiral (21) d'horlogerie, comportant un piton (1) et un porte-piton (2), lequel comporte des moyens de fixation (6) dudit porte-piton (2) à un mécanisme d'échappement (30), ledit piton (1) comportant une surface latérale d'appui (7) définissant une direction de maintien ou d'appui d'un dit ressort-spiral (21). Ledit porte-piton (2) est en deux parties, et comporte une structure rigide (5) porteuse desdits moyens de fixation (6), et une lame-ressort (8) plaquée contre ladite structure rigide (5) et comportant au moins une lèvre élastique (9) définissant avec ladite structure (5) une chambre (10) de réception dudit piton (1) et coopérant avec ladite surface latérale d'appui (7) dudit piton (1) pour le maintien dudit piton (1) en position indexée et de blocage.

IPC 8 full level  
**G04B 17/32** (2006.01)

CPC (source: EP US)  
**G04B 17/325** (2013.01 - EP US); **G04B 18/06** (2013.01 - EP US)

Citation (search report)  
• [X] CH 332548 A 19580915 - PARECHOC SA [CH], et al  
• [X] EP 2290477 A1 20110302 - GLASHUETTER UHRENBETRIEB GMBH [DE]  
• [A] CH 609515G A3 19790315

Cited by  
EP4286962A1; EP3451076A1; EP4286960A1; EP4286961A1; EP3179315B1

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 2876504 A1 20150527**; **EP 2876504 B1 20170726**; CN 104656407 A 20150527; CN 104656407 B 20171003; CN 204331292 U 20150513; HK 1209497 A1 20160401; JP 2015102550 A 20150604; JP 5938087 B2 20160622; US 2015138934 A1 20150521; US 9176475 B2 20151103

DOCDB simple family (application)  
**EP 13193609 A 20131120**; CN 201410670387 A 20141120; CN 201420702979 U 20141120; HK 15110064 A 20151014; JP 2014231286 A 20141114; US 201414519293 A 20141021