

Title (en)
Frame for a clockwork

Title (de)
Kassette für Uhrwerksmechanismus

Title (fr)
Cassette de mécanisme d'horlogerie

Publication
EP 2781965 A1 20140924 (FR)

Application
EP 13160024 A 20130319

Priority
EP 13160024 A 20130319

Abstract (en)
The cassette (1) has a bearing surface for positioning the cassette in movement, a bottom plate (2) and an upper bridge (3). The bottom plate or the upper bridge is designed in a rigid manner. Functional elements are arranged between the bottom plate and the upper bridge and moved relative to each other, where the functional elements comprise elastic return units (7). One of the functional elements is pivoted or moved between the bottom plate and the upper bridge, where the bottom plate and/or the upper bridge forms an inseparable single-piece component (20) with the functional element.

Abstract (fr)
Cassette (1) de mécanisme d'horlogerie comportant au moins une surface d'appui (101) pour son positionnement dans un mouvement (100) et au moins une platine inférieure (2) et un pont supérieur (3), au moins ladite platine (2) ou ledit pont (3) étant rigide, entre ou sur lesquels sont agencés des composants fonctionnels (10) dont au moins deux sont mobiles l'un par rapport à l'autre, et entre lesquels dits platine (2) et pont (3) est pivoté de part et d'autre au moins un dit composant fonctionnel (10) mobile en pivotement. Ladite platine inférieure (2) ou/et ledit pont supérieur (3) forme un composant monobloc indémontable (20) avec au moins un desdits organes fonctionnels (10).

IPC 8 full level
G04B 15/00 (2006.01); **G04B 29/00** (2006.01); **G04B 31/00** (2006.01)

CPC (source: EP KR US)
G04B 1/10 (2013.01 - KR); **G04B 15/00** (2013.01 - EP US); **G04B 15/14** (2013.01 - EP US); **G04B 17/00** (2013.01 - KR); **G04B 17/32** (2013.01 - EP US); **G04B 29/00** (2013.01 - EP US); **G04B 29/02** (2013.01 - EP US); **G04B 29/022** (2013.01 - EP US); **G04B 29/027** (2013.01 - EP US); **G04B 29/04** (2013.01 - EP US); **G04B 31/00** (2013.01 - EP US); **G04B 31/02** (2013.01 - EP US); **G04B 35/00** (2013.01 - EP US); **G04B 15/08** (2013.01 - EP US); **G04B 17/04** (2013.01 - EP US); **G04B 18/04** (2013.01 - EP US)

Citation (applicant)
• EP 1119317 A1 20010801 - BIONX IMPLANTS OY [FI]
• EP 1119317 A1 20010801 - BIONX IMPLANTS OY [FI]

Citation (search report)
• [XAYI] NL 11224 C
• [XAYI] US 580046 A 18970406
• [X] US 3582162 A 19710601 - BAERMANN MAX
• [A] JP S5141667 U 19760327
• [A] JP S5149063 U 19760413
• [A] WO 2011120180 A1 20111006 - ROLEX SA [CH], et al
• [A] FR 1047190 A 19531211
• [A] CH 338779 A 19590531 - HENRY SANDOZ & FILS [CH]
• [Y] DE 2218663 A1 19731025 - MUELLER SCHLENKER FA

Cited by
TWI675268B

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 2781965 A1 20140924; **EP 2781965 B1 20171115**; CH 707808 A2 20140930; CH 707808 B1 20170515; CN 104062880 A 20140924; CN 104062880 B 20170707; CN 104062881 A 20140924; CN 104062881 B 20170707; EP 2790066 A2 20141015; EP 2790066 A3 20160615; EP 2790066 B1 20171115; HK 1202650 A1 20151002; HK 1202651 A1 20151002; JP 2014182151 A 20140929; JP 2014182152 A 20140929; JP 5732568 B2 20150610; JP 5732569 B2 20150610; KR 101545441 B1 20150818; KR 101545442 B1 20150818; KR 20140114780 A 20140929; KR 20140114781 A 20140929; TW 201447518 A 20141216; TW 201502729 A 20150116; TW I620042 B 20180401; TW I620043 B 20180401; US 2014286141 A1 20140925; US 2014286142 A1 20140925; US 9122245 B2 20150901; US 9195218 B2 20151124

DOCDB simple family (application)
EP 13160024 A 20130319; CH 6272013 A 20130319; CN 201410101846 A 20140319; CN 201410101847 A 20140319; EP 14157644 A 20140304; HK 15102945 A 20150323; HK 15102946 A 20150323; JP 2014056007 A 20140319; JP 2014056008 A 20140319; KR 20140031459 A 20140318; KR 20140031460 A 20140318; TW 103108661 A 20140312; TW 103108662 A 20140312; US 201414218026 A 20140318; US 201414218052 A 20140318