

Title (en)
Assembly by ratchet locking

Title (de)
Zusammenbau mit Sperrklinkenblockierung

Title (fr)
Assemblage par blocage à cliquet

Publication
EP 2482143 A1 20120801 (FR)

Application
EP 11152202 A 20110126

Priority
EP 11152202 A 20110126

Abstract (en)
The system has a securing system (21) for securing a silicon component (23) and a part (25) to each other. The securing system includes a pawl device (31) for making the component and the part to move integrally with each other. The pawl device includes an elastic pawl arm (33) that forms a pawl that locks a mortise (36) and a tenon type assembly to prevent any relative movements between the component and the part, where the part is integral with an arbor for rotatably mounting the tenon type assembly that comprises the part and the component.

Abstract (fr)
L'invention se rapporte à un assemblage (19, 19', 39, 39', 59, 59') d'une partie (5, 5', 25, 25', 45, 45') dans l'ouverture (18, 18', 38, 38', 58, 58') d'une pièce (3, 3', 23, 23', 43, 43'). Selon l'invention, l'assemblage (19, 19', 39, 39', 59, 59') comporte un système de solidarisation (1, 1', 21, 21', 41, 41') entre la pièce (3, 3', 23, 23', 43, 43') et la partie (5, 5', 25, 25', 45, 45') comportant au moins un dispositif à cliquet (11, 11', 31, 31', 51, 51') destiné à rendre solidaires les mouvements de la pièce (3, 3', 23, 23', 43, 43') et de la partie (5, 5', 25, 25', 45, 45'). L'invention concerne le domaine des pièces d'horlogerie.

IPC 8 full level
G04B 11/02 (2006.01)

CPC (source: EP US)
G04B 11/028 (2013.01 - EP US); **G04B 13/022** (2013.01 - US); **G04B 15/14** (2013.01 - US); **G04B 13/02** (2013.01 - US); **Y10T 29/53613** (2015.01 - EP US); **Y10T 29/53687** (2015.01 - EP US); **Y10T 403/7061** (2015.01 - EP US)

Citation (search report)
• [XY] DE 1922435 A1 19701105 - LICENTIA GMBH
• [XAY] US 3667307 A 19720606 - KELCH HEINZ

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EP3489761A1; US11372370B2

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 2482143 A1 20120801; CN 102621870 A 20120801; CN 102621870 B 20160302; EP 2482144 A1 20120801; EP 2482144 B1 20201202; HK 1174402 A1 20130607; JP 2012154929 A 20120816; JP 5627611 B2 20141119; RU 2012102524 A 20130727; RU 2589665 C2 20160710; US 10088804 B2 20181002; US 2012186054 A1 20120726

DOCDB simple family (application)
EP 11152202 A 20110126; CN 201210019534 A 20120120; EP 11195024 A 20111221; HK 13101302 A 20130130; JP 2012013822 A 20120126; RU 2012102524 A 20120125; US 201213354037 A 20120119