

Title (en)
STUD SUPPORT WITH SIMPLIFIED ASSEMBLY

Title (de)
SPIRALKLÖTZCHENTRÄGER MIT VEREINFACHTER MONTAGE

Title (fr)
PORTE-PITON A MONTAGE SIMPLIFIE

Publication
EP 3179314 B1 20181114 (FR)

Application
EP 15199633 A 20151211

Priority
EP 15199633 A 20151211

Abstract (en)
[origin: JP2017106905A] PROBLEM TO BE SOLVED: To simplify assembly or disassembly of a balance spring stud.SOLUTION: A holding or supporting assembly includes: a spring stud 5; and a stud holder 3 configured to be mounted on a balance cock 2. The stud holder 3 includes a base 30 having at least one annular part. This base includes a first projection 32 and a second projection 35 extending to the radial direction respectively in an annular part. One projection from among the projections includes an elastic arm 33 extending in a direction parallel to the base from the projection to the other projection. The elastic arm 33 forms, together with the base, a housing 34 for storing a balance spring stud 5. The first and second projections 32 and 35 are capable of allowing the balance spring stud 5 to give stresses (P and P') to the elastic arm 33 by cooperating with a tool. As a result, the elastic arm 33 is deformed so that the balance spring stud 5 can be assembled or disassembled.SELECTED DRAWING: Figure 1

IPC 8 full level
G04B 17/32 (2006.01)

CPC (source: CN EP US)
G04B 17/32 (2013.01 - EP US); **G04B 17/325** (2013.01 - CN EP US); **G04B 18/06** (2013.01 - EP US); **G04D 1/04** (2013.01 - US);
G04D 1/048 (2013.01 - US)

Citation (examination)
US 2015138934 A1 20150521 - COURVOISIER RAPHAEL [CH]

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

DOCDB simple family (publication)
EP 3179314 A1 20170614; EP 3179314 B1 20181114; CN 106873342 A 20170620; CN 106873342 B 20190611; JP 2017106905 A 20170615; JP 6326116 B2 20180516; US 10222747 B2 20190305; US 11073796 B2 20210727; US 2017168456 A1 20170615; US 2018217556 A1 20180802

DOCDB simple family (application)
EP 15199633 A 20151211; CN 201611128164 A 20161209; JP 2016220228 A 20161111; US 201615339322 A 20161031; US 201815936116 A 20180326