

Title (en)
TIMEPIECE HAIRSPRING TO HAIRSPRING-STUD ATTACHMENT BY GLUING

Title (de)
BEFESTIGUNG DER SPIRALFEDER EINES UHRWERKS DURCH VERKLEBUNG

Title (fr)
FIXATION DE RESSORT-SPIRAL D'HORLOGERIE PAR COLLAGE

Publication
EP 3118692 B1 20181226 (FR)

Application
EP 15176978 A 20150716

Priority
EP 15176978 A 20150716

Abstract (en)
[origin: US2017017204A1] Timepiece sub-assembly including a balance spring stud arranged to be fastened to a balance cock, and a balance spring comprising an outer coil and an end plate of larger section than that of the outer coil, this stud including a housing arranged, in a first free state of the sub-assembly, to loosely contain the end plate with tangential mobility with respect to the outer coil, and, in a second immobilised state of the sub-assembly, to immobilise the end plate to which the housing is joined by a layer of adhesive covering a change-of-section shoulder and which forms a mechanical seal for the balance spring in a longitudinal direction of the housing, and the end plate includes an eye communicating with the layer in the second immobilised state.

IPC 8 full level
G04B 17/32 (2006.01)

CPC (source: CN EP KR US)
G04B 1/145 (2013.01 - KR); **G04B 17/06** (2013.01 - CN); **G04B 17/325** (2013.01 - EP US); **G04B 17/34** (2013.01 - CN US);
G04D 1/042 (2013.01 - KR); **G04D 3/0038** (2013.01 - KR); **G04D 3/0041** (2013.01 - KR); **G04D 3/0074** (2013.01 - KR)

Cited by
EP3786721A1; EP4022398B1

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 3118692 A1 20170118; EP 3118692 B1 20181226; CN 106353997 A 20170125; CN 106353997 B 20181120; JP 2017026601 A 20170202;
JP 6228632 B2 20171108; KR 101821044 B1 20180122; KR 20170009717 A 20170125; TW 201712451 A 20170401; TW I690784 B 20200411;
US 2017017204 A1 20170119; US 9671756 B2 20170606

DOCDB simple family (application)
EP 15176978 A 20150716; CN 201610561851 A 20160715; JP 2016123328 A 20160622; KR 20160075598 A 20160617;
TW 105115988 A 20160523; US 201615162726 A 20160524