

Title (en)
PUSH-BUTTON

Title (de)
DRÜCKER

Title (fr)
BOUTON POUSSOIR

Publication
EP 2141554 A3 20110427 (FR)

Application
EP 09164062 A 20090629

Priority
CH 10332008 A 20080703

Abstract (en)
[origin: EP2141554A2] The assembly has a push button (2) including a head (21) with an extension (212) that is slidably mounted in a tube (22) such that the tube is movable in translation. A rod (23) i.e. screw, is integrated to the extension, and displaced inside a time piece case based on pressure exerted by a user on the head. A unique flat spring (24) e.g. lock washer type flat spring, exerts force that is applied with respect to axis (28) of the tube in off-centered manner on the head for extending the head from the button. The spring is placed on the head and oriented from a side of the extension.

IPC 8 full level
G04B 3/04 (2006.01); **G04B 37/10** (2006.01)

CPC (source: EP)
G04B 3/048 (2013.01); **G04B 37/106** (2013.01)

Citation (search report)

- [XA] CH 231520 A 19440331 - SURDEZ FERNAND [CH]
- [X] CH 244642 A 19460930 - HAEMMERLY PIERRE [CH]
- [X] CH 249292 A 19470615 - SURDEZ FERNAND [CH]
- [X] CH 211143 A 19400831 - SCHMITZ WERNER [CH]
- [A] EP 1835364 A1 20070919 - SEIKO EPSON CORP [JP]

Cited by
CH704691A1; US10184506B2; US9894964B2; US10182623B2; US10575602B2; US10945496B2; US11723443B2; US9877549B2; US10085523B2; US10264857B2; US11026484B2; US11717060B2

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
EP 2141554 A2 20100106; EP 2141554 A3 20110427; CH 699076 A1 20100115

DOCDB simple family (application)
EP 09164062 A 20090629; CH 10332008 A 20080703