

Title (en)
Modular assembly of a push button

Title (de)
Modularer Zusammenbau eines Druckknopfs

Title (fr)
Assemblage modulaire d'un poussoir

Publication
EP 2746873 B1 20171115 (FR)

Application
EP 12198852 A 20121221

Priority
EP 12198852 A 20121221

Abstract (en)
[origin: EP2746873A1] The method involves assembling a sealed functional module, where the module includes a tube (7), an axle (8), a sealing joint (5) i.e. O-ring and a return spring (3) placed between a fixed stop element and a movable stop element. The sealed functional module is assembled to a housing (100). A push button head (1) is assembled to the sealed functional module. The tube is screwed into the housing by outside during the assembly of the module by a rotational driving unit arranged on the tube. The push button head is screwed to an element secured to an axis. An independent claim is also included for a modular push button.

IPC 8 full level
G04B 3/04 (2006.01); **G04B 37/10** (2006.01); **G05G 1/02** (2006.01)

CPC (source: EP US)
G04B 3/048 (2013.01 - EP US); **G04B 37/106** (2013.01 - EP US); **Y10T 29/49586** (2015.01 - EP US)

Cited by
CN107437469A; EP3339966A1; US11188028B2

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 2746873 A1 20140625; EP 2746873 B1 20171115; CN 103885315 A 20140625; CN 103885315 B 20180202; JP 2014122899 A 20140703; JP 5887327 B2 20160316; TW 201439692 A 20141016; TW I542961 B 20160721; US 2014177404 A1 20140626; US 9268306 B2 20160223

DOCDB simple family (application)
EP 12198852 A 20121221; CN 201310711461 A 20131220; JP 2013262419 A 20131219; TW 102145591 A 20131211; US 201314108705 A 20131217