

Title (en)
SWITCH

Title (de)
SCHALTER

Title (fr)
INTERRUPTEUR

Publication
EP 3300092 A1 20180328 (EN)

Application
EP 17192316 A 20170921

Priority
CN 201610847735 A 20160923

Abstract (en)
Embodiments of the present disclosure relate to a switch, comprising: a pushbutton (1) having a pushbutton contact face (11); a driver (2) having a driver contact face (21); a swing element (3) that can swing with respect to a first axis; an elastic element (4) connected between the driver (2) and the swing element (3) and causing the driver contact face (21) of the driver (2) to abut against the pushbutton contact face (11) of the pushbutton (1); and a first moving contact (81) and a first stationary contact (51). The driver (2) is configured to drive the swing element (3) to swing when the pushbutton (1) is pressed so that the moving contact contacts or is disconnected from the stationary contact. The switch has a smaller number of components and a simple and compact structure, and the operation of the driving mechanism is reliable. The switch allows reducing the stroke of the pushbutton while ensuring that the driver can return in place for the next operation.

IPC 8 full level
H01H 13/60 (2006.01)

CPC (source: CN EP)
H01H 13/60 (2013.01 - EP); **H01H 23/16** (2013.01 - CN)

Citation (search report)
• [XAY] WO 2016019883 A1 20160211 - SCHNEIDER ELECTRIC AUSTRALIA PTY LTD [AU], et al
• [XY] US 4204102 A 19800520 - BULL DAVID W [US]
• [X] DE 4026292 A1 19920227 - SWF AUTO ELECTRIC GMBH [DE]

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IT201800006224A1; CN112335009A; RU2769958C1; WO2019239225A1

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 3300092 A1 20180328; **EP 3300092 B1 20200325**; CN 107871637 A 20180403; CN 107871637 B 20190503; ES 2796372 T3 20201126; MY 181395 A 20201221; SG 10201707724R A 20180427

DOCDB simple family (application)
EP 17192316 A 20170921; CN 201610847735 A 20160923; ES 17192316 T 20170921; MY PI2017001365 A 20170919; SG 10201707724R A 20170919