

Title (en)
ELECTRICAL SWITCH

Publication
EP 0173193 B1 19900613 (DE)

Application
EP 85110326 A 19850819

Priority
DE 3431664 A 19840829

Abstract (en)
[origin: EP0173193A2] 1. Electrical switch, in particular low-voltage switch having at least one fixed contact piece (13, 14) and at least one movable contact piece (11, 12) mounted on a contact arm (10), which contact piece is pressed against the fixed contact piece (13, 14; 33) by means of a contact pressure spring which acts on the contact arm (10), is constructed as a torsion spring with at least one winding, the ends (21, 22) of which are elongated in opposite directions and form an obtuse angle with one another in the released state and which contact pressure spring is arranged with its central axis transverse to the contact arm (10, 30, 70), the tangentially elongated ends (21, 22) of the contact pressure spring crossing one another and resting against the contact arm surface and the contact pressure spring (20) being assigned to the contact arm (10, 30, 70) in such a way that the obtuse angle (alpha) is open towards the contact arm, characterized in that the contact pressure spring (20) is arranged between two tabs (36, 37; 71, 72) formed onto the contact arm (10...) on both sides, and in that the tabs and the contact pressure spring are penetrated by a switching spigot (19) running transversely to the contact arm so that the tabs guide the contact pressure spring in relation to the switching spigot and the contact arm.

IPC 1-7
H01H 1/20; H01H 1/50

IPC 8 full level
H01H 1/20 (2006.01); **H01H 1/50** (2006.01)

CPC (source: EP)
H01H 1/20 (2013.01); **H01H 1/50** (2013.01)

Cited by
DE4117120A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0173193 A2 19860305; EP 0173193 A3 19870916; EP 0173193 B1 19900613; AT E53696 T1 19900615; DE 3431664 A1 19860320; DE 3578259 D1 19900719

DOCDB simple family (application)
EP 85110326 A 19850819; AT 85110326 T 19850819; DE 3431664 A 19840829; DE 3578259 T 19850819