

Title (en)
DEVICE FOR LOCKING END POSITIONS OF MOBILE SWITCH PARTS

Title (de)
EINRICHTUNG ZUM VERRIEGELN DER ENDLAGEN VON BEWEGLICHEN WEICHENTEILEN

Title (fr)
DISPOSITIF POUR VERROUILLER DES POSITIONS FINALES EXTREMES DE PIECES D'AIGUILLAGE MOBILES

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Application
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Abstract (en)
[origin: WO9854041A1] The invention relates to a device for locking the stop positions of mobile switch parts, in particular a facing point lock, in which two elements, which can move axially in relation to each other, can be moved into a non-positive fit coupling position in at least one direction of movement. Said mobile elements comprise a tube (19, 40) and a rod (13) inserted in the tube (19, 40), and are arranged at least partially in a stationary outer tube (8). Locking elements formed by balls (17, 18, 19) interact with the axially mobile parts and the outer tube (8), and can be displaced radially into a locking position in a recess or inner ring groove of the outer tube (8). The balls (17, 18, 39) are encompassed by an expanding ring or by a ring composed of segments (22, 23, 51). The segments (22, 23, 51) or the ring are held elastically in a position having an outer diameter that is smaller than or equal to the outer diameter of the axially mobile tube (19, 430) inserted in the outer tube (8). These segments (22, 23, 51) or ring are immersed in a peripheral groove in the tube (19, 40). The balls (17, 18, 39) are fitted in openings in the tube (19, 40) between the rod (13) and the ring composed of segments (22, 23, 51).

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