

Title (en)

SWITCH HAVING AT LEAST TWO STABLE POSITIONS, PARTICULARLY FOR MOTOR VEHICLES

Title (de)

SCHALTER MIT MINDESTENS ZWEI STABILEN STELLUNGEN, INSBESONDERE FÜR KRAFTFAHRZEUGE

Title (fr)

COMMUTATEUR A AU MOINS DEUX POSITIONS STABLES, NOTAMMENT POUR VEHICULE AUTOMOBILE

Publication

EP 0624278 B1 19970604 (FR)

Application

EP 94900897 A 19931202

Priority

- FR 9214518 A 19921202
- FR 9301183 W 19931202

Abstract (en)

[origin: WO9412997A1] A switch with at least two stable positions comprises a casing (30), an operating element (5) movably held in the casing (30) and indexing means (1) retained partly by the operating element (5) and partly by the casing (30). The indexing means (1) incorporate a magnetic circuit with at least one permanent magnet (2) associated with at least one counter-target (21) and a magnetic field closure target (18) located opposite the counter-target in each stable position. One of the assemblies consisting of target, counter-target and permanent magnet is mounted on the operating element (5) and the other is mounted on the casing (30). Application to motor vehicles.

IPC 1-7

H01H 3/50

IPC 8 full level

B60R 16/02 (2006.01); **H01H 3/50** (2006.01); **H01H 5/02** (2006.01)

CPC (source: EP US)

H01H 5/02 (2013.01 - EP US); **H01H 2003/506** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

FR 2698720 A1 19940603; **FR 2698720 B1 19950120**; DE 69311311 D1 19970710; DE 69311311 T2 19970918; EP 0624278 A1 19941117; EP 0624278 B1 19970604; ES 2105601 T3 19971016; JP H07506455 A 19950713; US 5864272 A 19990126; WO 9412997 A1 19940609

DOCDB simple family (application)

FR 9214518 A 19921202; DE 69311311 T 19931202; EP 94900897 A 19931202; ES 94900897 T 19931202; FR 9301183 W 19931202; JP 51285994 A 19931202; US 25659694 A 19941025