

Title (en)  
Rotary encoder

Title (de)  
Drehgeber

Title (fr)  
Capteur d'angle

Publication  
**EP 1594147 B1 20120926 (DE)**

Application  
**EP 05009637 A 20050503**

Priority  
DE 102004022068 A 20040505

Abstract (en)  
[origin: DE102004022068B3] The invention concerns a control dial with an actuator (12). A first axle (3) features a rotary switch (2), whereby the actuator (12) is non-rotatably connected with the first axle (3) via a clutch element (6). The clutch element (6) is movable against the first axle (3) in a vertical direction (R1). Furthermore, the clutch element (6) is movable against the actuator (12) in a second direction (R2) vertically to the first direction (R1). In order to manufacture a simple control dial, which is made up of only a few parts and which compensates for an axial offset, the first axle (3) is flattened on both sides at its end (5) and the clutch element (6) features a first guidance (8), in which the end (5) of the first axle (3) engages movably in the first direction (R1).

IPC 8 full level  
**H01H 3/10** (2006.01); **H01H 1/58** (2006.01)

CPC (source: EP)  
**H01H 3/10** (2013.01); **H01H 2003/085** (2013.01); **H01H 2003/105** (2013.01)

Designated contracting state (EPC)  
DE ES FR GB IT PL

DOCDB simple family (publication)  
**DE 102004022068 B3 20051013**; EP 1594147 A1 20051109; EP 1594147 B1 20120926; ES 2392844 T3 20121214; PL 1594147 T3 20130131

DOCDB simple family (application)  
**DE 102004022068 A 20040505**; EP 05009637 A 20050503; ES 05009637 T 20050503; PL 05009637 T 20050503