

Title (en)

OPERATING ELEMENT, PARTICULARLY FOR A MULTI-MEDIA SYSTEM IN A MOTOR VEHICLE

Title (de)

BEDIENELEMENT, INSBESONDERE FÜR EIN MULTIMEDIASYSTEM EINES KRAFTFAHRZEUGS

Title (fr)

ELEMENT DE COMMANDE, NOTAMMENT POUR UN SYSTEME MULTIMEDIA D'UN VEHICULE AUTOMOBILE

Publication

EP 1660982 A2 20060531 (DE)

Application

EP 04766297 A 20040723

Priority

- EP 2004051584 W 20040723
- DE 10341016 A 20030903

Abstract (en)

[origin: WO2005024540A2] The invention relates to a rotating actuator/pressure actuator (13) comprising a ring-shaped rotary transducer (5) consisting of an inner ring and a rotary ring with a handle (1) and which can rotate around the inner ring about an axis (z) and which is displaceably arranged in a linear manner along the axis (Z) in relation to a housing(11), in addition to an inner part (touchpad 2) which is arranged in an inner area (12) of the ring-shaped rotary transducer (5) and which is displaceable in a linear manner along the axis (z) together with the ring-shaped rotary transducer (5) in relation to the housing (11). Linear displacement of the handle (1) and/or inner part (touchpad 2) triggers a push-button function. According to the invention, the rotary transducer (5) and inner part (touchpad 2) are arranged in a pan-shaped guide element (7) which is arranged in a linear displaceable manner along the axis (z) in the housing; the inner ring of the rotary transducer (5) is rotationally fixed in the guide element (7); the rotary transducer (5) and the inner par (touchpad 2) are connected to the guide element (7) in such a way that they are not displaceable along the axis (z) and the guide element (7) acts upon the push button (9).

IPC 1-7

G06F 3/033

IPC 8 full level

B60R 11/02 (2006.01); **G05G 1/02** (2006.01); **G05G 1/08** (2006.01); **G05G 5/06** (2006.01); **G06F 3/033** (2006.01); **G06F 3/0362** (2013.01)

IPC 8 main group level

G05G (2006.01)

CPC (source: EP KR US)

G01C 21/3611 (2013.01 - EP US); **G06F 3/0362** (2013.01 - EP US); **H01H 13/14** (2013.01 - KR); **H01H 13/20** (2013.01 - KR); **H01H 19/14** (2013.01 - KR)

Citation (search report)

See references of WO 2005024540A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005024540 A2 20050317; **WO 2005024540 A3 20060406**; CN 100370401 C 20080220; CN 1846191 A 20061011; DE 10341016 A1 20050331; DE 10341016 B4 20161117; EP 1660982 A2 20060531; JP 2007504625 A 20070301; JP 4273152 B2 20090603; KR 101060071 B1 20110829; KR 20070016096 A 20070207; US 2007159452 A1 20070712; US 7361854 B2 20080422

DOCDB simple family (application)

EP 2004051584 W 20040723; CN 200480025216 A 20040723; DE 10341016 A 20030903; EP 04766297 A 20040723; JP 2006525800 A 20040723; KR 20067004380 A 20040723; US 57091504 A 20040623