

Title (en)

Electrical switch and/or actuator element with optical indicator

Title (de)

Elektrisches Schalt- und/oder Stellelement mit optischer Anzeige

Title (fr)

Dispositif de commutation et/ou de réglage avec indicateur optique

Publication

EP 1811535 A1 20070725 (DE)

Application

EP 06001092 A 20060119

Priority

EP 06001092 A 20060119

Abstract (en)

The unit has a rotary switch (4) as a handle, and an optical indicator (8) for indicating two different symbols e.g. character, is arranged in the switch. The indicator has multi color light emitting diodes (LED) (11), dazzle plate (12) with a dazzle opening (13) that is formed for the symbols, where a mask is laid on the indicator. Symbol openings (15) are arranged between the LEDs and the mask. A diffuser plate (16) is arranged on one side of the mask.

Abstract (de)

Um ein elektrisches Schalt- und/oder Stellelement (1) mit einem Drehschalter (4) als Handhabe dahingehend weiterzubilden, dass es vielseitiger einsetzbar ist, insbesondere eine Rückkopplung in Form der Ausgabe von Informationen an den Bediener ermöglicht, wird vorgeschlagen, dass in dem Drehschalter (4) eine optische Anzeigeeinrichtung (8) zur Anzeige von wenigstens zwei unterschiedlichen Symbolen angeordnet ist.

IPC 8 full level

H01H 25/06 (2006.01)

CPC (source: EP KR US)

H01H 19/025 (2013.01 - EP); **H01H 25/06** (2013.01 - EP KR); **H01H 25/065** (2013.01 - EP US); **H01H 2219/056** (2013.01 - EP US); **H01H 2219/066** (2013.01 - EP US); **H01H 2231/018** (2013.01 - EP US)

Citation (applicant)

EP 1596359 A1 20051116 - ADAMS CHRISTOPHER [DE]

Citation (search report)

- [XY] WO 2005062324 A1 20050707 - ZEXEL VALEO CLIMATE CONTR CORP [JP], et al
- [X] WO 2005112061 A1 20051124 - MITSUBISHI HEAVY IND LTD [JP], et al
- [XY] FR 2830676 A1 20030411 - VALEO CLIMATISATION [FR]
- [Y] EP 0342703 A2 19891123 - OMRON TATEISI ELECTRONICS CO [JP]
- [A] DE 7511873 U 19750918
- [Y] US 4131033 A 19781226 - WRIGHT NORMAN Z, et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1811535 A1 20070725; CA 2636341 A1 20070726; CN 101361150 A 20090204; JP 2009524182 A 20090625; KR 20090003159 A 20090109; US 2009000930 A1 20090101; WO 2007082585 A1 20070726

DOCDB simple family (application)

EP 06001092 A 20060119; CA 2636341 A 20061221; CN 200680051403 A 20061221; EP 2006012398 W 20061221; JP 2008550647 A 20061221; KR 20087018658 A 20080729; US 15980006 A 20061221