

Title (en)

Operating device for an electric device and control panel

Title (de)

Bedieneinrichtung für ein Elektrogerät und Bedienblende

Title (fr)

Dispositif de commande pour un appareil électrique et écran de commande

Publication

EP 2211249 A3 20100818 (DE)

Application

EP 09178900 A 20091211

Priority

DE 102009006434 A 20090122

Abstract (en)

[origin: US2010181175A1] An operating device for an electrical appliance with a control panel has a control element for operation through rotary actuation arranged in the control panel, said control element being disposed and mounted in a receptacle behind the control panel. The receptacle has light-conducting and/or light transmitting material in the manner of a light guide, and is illuminated through an LED at a posterior end facing away from the control panel and with light apertures provided at another anterior end on the control panel around the control element extending forwardly beyond the control panel.

IPC 8 full level

G05G 1/10 (2006.01)

CPC (source: EP US)

G05G 1/105 (2013.01 - EP US); **H01H 2003/0293** (2013.01 - EP US); **H01H 2003/085** (2013.01 - EP US)

Citation (search report)

- [X] US 2005284741 A1 20051229 - SUZUKI TSUYOSHI [JP]
- [X] DE 3816928 A1 19881201 - ALPS ELECTRIC CO LTD [JP]
- [X] EP 0176817 A1 19860409 - LICENTIA GMBH [DE]
- [X] DE 4222335 A1 19940113 - REINSHAGEN KABELWERK GMBH [DE]
- [X] US 5093764 A 19920303 - HASEGAWA YOSHIHIKO [JP], et al
- [X] DE 102006049474 A1 20080626 - FISCHER AUTOMOTIVE SYS GMBH [DE]
- [X] EP 1426990 A2 20040609 - ALPS ELECTRIC CO LTD [JP]
- [X] US 2005077166 A1 20050414 - KIM SHIN [KR], et al
- [X] EP 1752853 A1 20070214 - VALEO SYSTEMES THERMIQUES [FR]
- [X] DE 102005057025 A1 20070125 - PREH GMBH [DE]
- [X] DE 3535881 A1 19870416 - PREH ELEKTRO FEINMECHANIK [DE]
- [X] EP 0976972 A2 20000202 - PREH ELEKTRO FEINMECHANIK [DE]

Cited by

DE102014207261A1; DE102013210124A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102009006434 B3 20100617; CN 101799703 A 20100811; CN 101799703 B 20140625; EP 2211249 A2 20100728; EP 2211249 A3 20100818; JP 2010171008 A 20100805; JP 5508866 B2 20140604; US 2010181175 A1 20100722; US 7943878 B2 20110517

DOCDB simple family (application)

DE 102009006434 A 20090122; CN 201010109316 A 20100122; EP 09178900 A 20091211; JP 2010003560 A 20100112; US 69049010 A 20100120