

Title (en)

OPERATING DEVICE HAVING AN ILLUMINATED VOLUME CONTROL ACTUATING ELEMENT

Title (de)

BEDIENVORRICHTUNG MIT BELEUCHTETEM PEGELSTELLER-STELLELEMENT

Title (fr)

DISPOSITIF DE COMMANDE POURVU D'ÉLÉMENT DE RÉGLAGE D'ÉGALISEUR LUMINEUX

Publication

EP 3607677 A1 20200212 (DE)

Application

EP 18725404 A 20180329

Priority

- DE 102017205660 A 20170403
- EP 2018058262 W 20180329

Abstract (en)

[origin: CA3059103A1] The invention relates to an operating device (1) having an illuminated volume control actuating element, in particular for audio systems, comprising a volume control (10) which has an actuating element (40) movable along an adjustment path (20). In the interior, the actuating element (40) comprises a light guiding section (160) by which light coupled into a coupling section (130) on the lower side face of the actuating element (40) is guided to one or more exit zones (170) of the gripping faces (60) of the actuating element (40), and a plurality of illumination means (100) which are controllable for individual positioning are arranged along the adjustment path (20), such that in any position of the volume control (10) along the adjustment path (20) the actuating element (40) covers at least one of the illumination means (100) with the lower side face of the actuating element. The device also comprises a control device (50) which, based on the position of the volume control (10), for light emission in each case controls only the illumination means (100) which are covered by the coupling section (150) of the actuating element (40). The actuating element (40) is illuminated in a targeted manner.

IPC 8 full level

H04H 60/04 (2008.01); **H01C 10/44** (2006.01)

CPC (source: EP RU US)

H01H 15/005 (2013.01 - US); **H01H 15/025** (2013.01 - US); **H01H 15/10** (2013.01 - US); **H04H 60/04** (2013.01 - EP RU);
H05B 47/10 (2020.01 - RU); **H05K 5/0017** (2013.01 - US); **H01C 10/44** (2013.01 - EP)

Citation (search report)

See references of WO 2018185020A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102017205660 B3 20180802; AU 2018248544 A1 20191017; AU 2018248544 B2 20200123; CA 3059103 A1 20181011;
CA 3059103 C 20201006; CN 110603752 A 20191220; CN 110603752 B 20210105; DK 3607677 T3 20210809; EP 3607677 A1 20200212;
EP 3607677 B1 20210505; ES 2883107 T3 20211207; HR P20211240 T1 20211112; JP 2020516199 A 20200528; JP 6688944 B1 20200428;
PL 3607677 T3 20211122; RS 62181 B1 20210831; RU 2719315 C1 20200417; SI 3607677 T1 20210930; US 10998152 B2 20210504;
US 2020111628 A1 20200409; WO 2018185020 A1 20181011

DOCDB simple family (application)

DE 102017205660 A 20170403; AU 2018248544 A 20180329; CA 3059103 A 20180329; CN 201880022028 A 20180329;
DK 18725404 T 20180329; EP 18725404 A 20180329; EP 2018058262 W 20180329; ES 18725404 T 20180329; HR P20211240 T 20210802;
JP 2019555162 A 20180329; PL 18725404 T 20180329; RS P20210970 A 20180329; RU 2019134758 A 20180329; SI 201830342 T 20180329;
US 201816500082 A 20180329