

Title (en)
ROTARY KNOB ASSEMBLY AND ELECTRICAL APPARATUS

Title (de)
DREHKNOPFBAUGRUPPE UND ELEKTRISCHES GERÄT

Title (fr)
ENSEMBLE SÉLECTEUR ROTATIF ET APPAREIL ÉLECTRIQUE

Publication
EP 4249665 A4 20240117 (EN)

Application
EP 21912600 A 20210324

Priority
• CN 202011595610 A 20201229
• CN 2021082525 W 20210324

Abstract (en)
[origin: EP4249665A1] A rotary knob assembly and an electrical apparatus. The rotary knob assembly comprises: an assembly member (140), wherein the assembly member (140) comprises a mounting groove (142) and a first liquid blocking portion (144), the first liquid blocking portion (144) being located at the periphery of the mounting groove (142); a control module (162) arranged in the mounting groove (142); a display module (120) electrically connected to the control module (162); a rotary knob base (106) connected to the control module (162); a rotary knob main body (116) arranged on the rotary knob base (106) and located on the periphery of the control module (162), wherein a liquid discharging chamber (122) is defined by means of the rotary knob main body (116) and the rotary knob base (106); and a liquid discharging portion (126) arranged on the rotary knob base (106), wherein the liquid discharging portion (126) is in communication with the liquid discharging chamber (122) and is used for discharging media from the liquid discharging chamber (122), and the first liquid blocking portion (144) is located between the liquid discharging portion (126) and the mounting groove (142). Effective blocking of a liquid and effective discharging of a liquid of the rotary knob assembly can be achieved, such that the environment where the display module (120) and the control module (162) are mounted and the service life of the display module and the control module are guaranteed.

IPC 8 full level
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CPC (source: CN EP)
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Citation (search report)
• [X] CN 210128379 U 20200306 - JOYOUNG CO LTD
• [XA] CN 106968085 A 20170721 - QINGDAO HAIER DRUM WASHING MACHINE CO LTD
• [A] WO 2020083022 A1 20200430 - QINGDAO HAIER DRUM WASHING MACHINE CO LTD [CN]
• [A] CN 107856498 A 20180330 - YANFENG SHITONG ELECTRONIC TECH SHANGHAI CO LTD
• [A] JP H08323094 A 19961210 - MATSUSHITA ELECTRIC IND CO LTD
• See references of WO 2022141830A1

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

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DOCDB simple family (publication)
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