

Title (en)

OPERATING MECHANISM AND SWITCHING DEVICE

Title (de)

BETÄTIGUNGSMECHANISMUS UND SCHALTVORRICHTUNG

Title (fr)

MÉCANISME D'ACTIONNEMENT ET DISPOSITIF DE COMMUTATION

Publication

EP 4318535 A1 20240207 (EN)

Application

EP 22900644 A 20221202

Priority

- CN 202111467353 A 20211202
- CN 2022136050 W 20221202

Abstract (en)

An operating mechanism and a switch apparatus are provided, the switch apparatus includes the operating mechanism, which includes an operating part, a first connecting rod, a first meshing part, a second meshing part, a second connecting rod and a lever, wherein the first meshing part and the second meshing part are respectively pivotally installed and mesh with each other, and a sliding groove is disposed on the first meshing part; the operating part and the lever are respectively pivotally installed, one end of the first connecting rod articulates with one end of the second connecting rod, the other end of the first connecting rod is connected with the operating part, the other end of the second connecting rod is connected with the lever, and the articulated end of the first connecting rod and the second connecting rod slidably cooperates with the sliding groove of the first meshing part. The present invention provides an operating mechanism and a switch apparatus with high operational reliability, the meshing mechanism composed of the first meshing part and the second meshing part and the transmission mechanism are independent of each other, so that the meshing mechanism is basically in a static state during normal switch-on and switch-off operation of the operating mechanism, thereby greatly enhancing the operational reliability of the entire mechanism.

IPC 8 full level

H01H 71/10 (2006.01)

CPC (source: CN EP KR)

H01H 71/0207 (2013.01 - KR); **H01H 71/10** (2013.01 - CN EP); **H01H 71/1009** (2013.01 - CN KR); **H01H 71/52** (2013.01 - KR); **H01H 71/1009** (2013.01 - EP)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4318535 A1 20240207; AU 2022402897 A1 20231109; CN 116230458 A 20230606; KR 20240116363 A 20240729; WO 2023098840 A1 20230608

DOCDB simple family (application)

EP 22900644 A 20221202; AU 2022402897 A 20221202; CN 202111467353 A 20211202; CN 2022136050 W 20221202; KR 20237036455 A 20221202