

Title (en)

LOW-VOLTAGE POWER DISTRIBUTION DEVICE CAPABLE OF DETECTING PREDETERMINED STATE

Title (de)

NIEDERSPANNUNGS-LEISTUNGSVERTEILUNGSVORRICHTUNG ZUR ERKENNUNG EINES VORBESTIMMTEN ZUSTANDES

Title (fr)

DISPOSITIF DE DISTRIBUTION D'ÉNERGIE BASSE TENSION CAPABLE DE DÉTECTER UN ÉTAT PRÉDÉTERMINÉ

Publication

EP 3706153 A4 20210825 (EN)

Application

EP 18875116 A 20181107

Priority

- CN 201721476126 U 20171107
- CN 2018114388 W 20181107

Abstract (en)

[origin: EP3706153A1] The present disclosure relates to a low-voltage power distribution apparatus capable of detecting a predetermined state. The low-voltage power distribution apparatus comprises: a group of conductive pins at least comprising a first conductive pin and a second conductive pin; an elastic element comprising an helix portion and a first free end, wherein the helix portion is conductively coupled to the first conductive pin; and a drive part pivotally arranged in the low-voltage power distribution apparatus and operable to rotate from a first position to a second position in response to the low-voltage power distribution apparatus being switched to the predetermined state, so as to enable the first free end of the elastic element to contact the second conductive pin. The detection of the predetermined state achieves a closed-loop control of the low-voltage power distribution apparatus. The control unit 202 can make a clearer judgment of the state of the low-voltage power distribution apparatus 200, so as to avoid damaging the low-voltage power distribution apparatus 200 and its load and circuit.

IPC 8 full level

H01H 71/04 (2006.01)

CPC (source: EP RU)

H01H 71/04 (2013.01 - RU); **H01H 71/128** (2013.01 - EP); **H01H 71/52** (2013.01 - EP); **H01H 2071/046** (2013.01 - EP)

Citation (search report)

- [A] EP 2455961 A1 20120523 - ABB SPA [IT]
- See references of WO 2019091405A1

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