

Title (en)

DEVICE FOR SUPPORTING THE WEIGHT OF A SINGLE-LEAF OR DOUBLE-LEAF DOOR FOR A SWITCHGEAR CABINET

Title (de)

VORRICHTUNG ZUR AUFNAHME DES GEWICHTES EINER EIN- ODER ZWEIFLÜGELIGEN TÜR FÜR EINEN SCHALTSCHRANK

Title (fr)

DISPOSITIF POUR RECEVOIR LE POIDS D'UNE PORTE A UN OU DEUX VANTAUX D'UNE ARMOIRE ELECTRIQUE

Publication

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Application

EP 04765777 A 20041025

Priority

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- DE 10350443 A 20031029

Abstract (en)

[origin: WO2005052296A1] The invention relates to a device for supporting the weight of a single-leaf or double-leaf door for a switchgear cabinet, whose frame is composed of bar sections. In the case of a single-leaf door, the free vertical lateral edge of said door rests against a vertical bar section and in the case of a double-leaf door, the free vertical lateral edges abut one another or lie at a short distance from one another when the double-leaf door is closed. According to the invention, the device is equipped with at least one guide element (20) that is provided with a respective inclined contact surface (22, 23; 24, 24a, 24b). For a single-leaf door, said element is located in the vicinity of the free lateral edge and co-operates with a contact edge (19) of the bar section, against which the door comes to rest, in such a way that during the closure of the door, the inclined contact surface (22) of the guide element (20) slides over the contact edge (19), thus supporting some of the weight of the door. For a double-leaf door, said element is located in the vicinity of the upper lateral edge, in close proximity to the free lateral edge of each door leaf and during the closure of the doors, the inclined contact surface (24) of said element rests on a respective contact edge of at least the upper horizontal bar section, thus supporting some of the weight of the door leaf.

IPC 8 full level

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