

Title (en)

CONTACTOR DEVICE, HIGH VOLTAGE POWER SUPPLY SYSTEM AND METHOD FOR CONTROLLING A CONTACTOR DEVICE

Title (de)

SCHÜTZVORRICHTUNG, HOCHSPANNUNGSSTROMVERSORGUNGSSYSTEM UND VERFAHREN ZUR STEUERUNG EINER SCHÜTZVORRICHTUNG

Title (fr)

DISPOSITIF DE CONTACTEUR, SYSTÈME D'ALIMENTATION ÉLECTRIQUE HAUTE TENSION ET PROCÉDÉ DE COMMANDE D'UN DISPOSITIF DE CONTACTEUR

Publication

EP 4390999 A1 20240626 (EN)

Application

EP 22216538 A 20221223

Priority

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Abstract (en)

The present disclosure relates to a contactor device, a high voltage power supply system comprising the contactor device and a corresponding method for controlling the contactor device. The contactor device (200) comprises a contact arrangement, which includes at least one moveable bus bar (106, 108) and at least one fixed bus bar (102, 104), wherein the at least one moveable bus bar (106, 108) has a first contact region and the at least one fixed bus bar (102, 104) has a second contact region, and at least one actuation element (118), which is configured to change a state of the contactor device (200) at least to and from an open state, and to and from a closed state, wherein in the open state the first contact region is electrically isolated from the second contact region, and in the closed state the first contact region is conductively coupled to the second contact region. The contactor device further comprises an assembled circuit (168), which includes a processing circuit, which is configured to determine at least one operational parameter of the contactor device (200), and a control circuit, which is configured to control the operation of the at least one actuation element (118) in accordance with the operational parameter determined by the processing circuit.

IPC 8 full level

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Citation (applicant)

- EP 22177000 A 20220602
- EP 18209536 A 20181130

Citation (search report)

- [XY] EP 3933878 A1 20220105 - MUNICH ELECTRIFICATION GMBH [DE]
- [YA] US 2009184797 A1 20090723 - HARTZOG CHAD [US]
- [YA] EP 3660520 A1 20200603 - MUNICH ELECTRIFICATION GMBH [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA

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