Title (en)

EARTHING CONTACT AND METHOD FOR DISSIPATING ELECTRICAL CURRENTS

Title (de)

ERDUNGSKONTAKT UND VERFAHREN ZUR ABLEITUNG ELEKTRISCHER STRÖME

Title (fr)

CONTACT DE MISE À LA TERRE ET PROCÉDÉ DE DISSIPATION DE COURANTS ÉLECTRIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021233542A1] The invention relates to an earthing contact (10) and a method for dissipating electrical currents from a rotor part (11) of a machine, in particular a vehicle, rail vehicle or similar, and formed with an axle or shaft (27), into a fixed stator part (12) of the machine, comprising a retaining device (13) and a contact element (14), wherein the retaining device can be electrically conductively connected to the fixed stator part of the machine, wherein the contact element is designed as a flexible conductor (15), wherein the conductor has a free end (34) that can be arranged on a circumference (28) of the rotor part and an end (33) secured to the retaining device, wherein the conductor is dimensionally stable in such a way that, in order to form an electrically conductive sliding contact between a sliding contact surface of the conductor provided for forming the sliding contact and a contact surface (29) on the circumference of the rotor part, the contact surface can be applied with a contact force, wherein the conductor is designed such that it can be bent in an arch shape between the free end and the secured end, in such a way that the free end extends in the direction of an axis of rotation (30) of the rotor part when the earthing contact is arranged in the rotor part.

IPC 8 full level

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