Title (en)

HIGH-VOLTAGE CONNECTION AND ELECTRIC RAIL VEHICLE HAVING A HIGH-VOLTAGE CONNECTION

Title (de)

HOCHSPANNUNGSVERBINDUNG UND ELEKTRISCHES SCHIENENFAHRZEUG MIT EINER HOCHSPANNUNGSVERBINDUNG

Title (fr)

LIAISON À HAUTE TENSION ET VÉHICULE ÉLECTRIQUE FERROVIAIRE AVEC UNE LIAISON À HAUTE TENSION

Publication

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Application

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Abstract (en)

[origin: WO2010060663A1] The invention relates to a high-voltage connection between two post insulators which can be moved relative to one another. In order to be able to implement such a high-voltage connection in the most compact form possible with regard to insulating air gaps, the high-voltage connection has a current conduction rod (9), which is surrounded by an insulating body (15) and mounted at one end (10) thereof on the one post insulator (11) at an adjustable distance and at the other end (12) thereof is held on the other post insulator (14). Outgoing current leads (16, 19) are connected to each end (10, 12) of the current conduction rod (9). The invention also relates to an electric rail vehicle comprising at least two cars, each having a high-voltage line run in the roof and each having a post insulator (11, 14) on the roof in the area of the mutually facing ends of the cars (2, 3). The high-voltage connection according to the invention is used in order to achieve an aerodynamically favorable design in the bridging area of the roof area of the cars (2, 3).

IPC 8 full level

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CPC (source: EP US)

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