Title (en)

INDUCTOR CONDUCTOR FOR CONTACTLESS ENERGY TRANSFER AND A USE FOR SAME IN VEHICLES

Title (de)

INDUKTORLEITER FÜR DIE BERÜHRUNGSLOSE ENERGIEÜBERTRAGUNG SOWIE DESSEN VERWENDUNG FÜR FAHRZEUGE

Title (fr)

CONDUCTEUR D'INDUCTEUR POUR LA TRANSMISSION D'ÉNERGIE SANS CONTACT ET SON UTILISATION POUR DES VÉHICULES

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Application

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Abstract (en)

[origin: WO2011032752A2] The present invention relates to an inductor conductor (1) for the contactless transfer of electrical energy from at least one first device to at least one second device, for example from the power supply of a trip route to a magnetic levitation train. The inductor conductor (1) has a plurality of individual conductors (7) which are arranged in a longitudinal direction (6). In a periodically repeating region (11, 12) along the longitudinal direction (6) of the individual conductors (7), said individual conductors (7) are divided into at least two parts (8), each part spatially separated from the another, and lie adjacent to undivided individual conductors (7), thus forming capacitors. In addition, the present invention relates to a method for the use of the inductor conductor (1), for example in vehicles, wherein the inductor conductor (1) acts as the primary winding of a transformer.

IPC 8 full level

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