Title (en)

Automatic central buffer coupling with an antenna for wireless signal transmission

Title (de)

Automatische Mittelpufferkupplung mit einer Antenne zur drahtlosen Signalübertragung

Title (fr)

Attelage automatique central avec une antenne pour la transmission de signaux par voie aerienne

Publication

EP 1762455 B1 20080716 (DE)

Application

EP 06003184 A 20060216

Priority

- EP 05019569 A 20050908
- EP 06003184 A 20060216

Abstract (en)

[origin: US2007054562A1] The present invention relates to an automatic central buffer coupling (1, 1 ') for a multi-membered vehicle, in particular a rail-borne vehicle, having a coupling head (3) and a signal transmission device (2) for transmitting electric and/or electronic signals between a first and a second car body. With the objective of integrating a signal transmission device (2) in the central buffer coupling (1) which on the one hand is designed to be rugged and compact and, on the other, is based on a system as free as possible from attrition and maintenance, the present invention provides for the signal transmission device (2) in the central buffer coupling to comprise at least one coupling element (5) and at least one counter-coupling element (5 '), wherein the coupling element (5) is integrated in a contact plate (4) of coupling head (3) of coupling (1) and the counter-coupling element (5 ') is integrated in a contact plate (4 ') of coupling head (3 ') of counter-coupling (1 ') such that the face side of the coupling element (5) is arranged opposite the face side of the counter-coupling element (5 ') integrated in coupling head (3 ') of counter-coupling (1 ') in the contact plane of coupling heads (3, 3 '), and wherein the coupling element (5) and the counter-coupling element (5 ') each have an antenna member (6, 6 ') comprising a disc monopole antenna (12) configured to transmit data in the GHz frequency range.

IPC 8 full level

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CPC (source: EP US)

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