

Title (en)

CONNECTING ELEMENT, CONNECTING ARRANGEMENT, AND RAIL VEHICLE

Title (de)

VERBINDUNGSELEMENT, VERBINDUNGSANORDNUNG UND SCHIENENFAHRZEUG

Title (fr)

ÉLÉMENT DE LIAISON, SYSTÈME DE LIAISON ET VÉHICULE FERROVIAIRE

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Abstract (en)

[origin: WO2013045149A1] The invention relates to a connecting element (1) for a vibration- and sound-damping connection between two components (2, 3), comprising a retaining rail (4) which extends in a longitudinal direction (X) and which has a base connecting piece (4.1) that extends in the longitudinal direction (X) and two lateral connecting pieces (4.2) that start from the base connecting piece (4.1), are mutually spaced, and extend in the longitudinal direction (X). A gap (5) which runs in the longitudinal direction (X) is formed between the two lateral connecting pieces (4.2) such that the retaining rail (4) has a C-shaped cross-section. The connecting element also comprises a plate-shaped element (7) which is retained within the retaining rail (4) and which has at least one bore (8). The at least one bore (8) in the plate-shaped element (7) lies within the outer boundary of the retaining rail (4) with respect to the longitudinal direction (X). The connecting element also comprises a rubber-elastic damping material (9) which is arranged between the retaining rail (4) and the plate-shaped element (7) at least in some sections and in which at least two edges (7.1) of the plate-shaped element (7) are embedded such that the plate-shaped element (7) does not contact the retaining rail. The invention further relates to a connecting arrangement (12) comprising such a connecting element (1) and to a rail vehicle comprising at least one such connecting arrangement (12).

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