

Title (en)

ENERGY ABSORBING DEVICE FOR A COUPLER FOR A RAILWAY VEHICLE

Title (de)

ENERGIEABSORBIERENDE VORRICHTUNG FÜR EINE KUPPLUNG FÜR EIN SCHIENENFAHRZEUG

Title (fr)

DISPOSITIF D'ABSORPTION D'ÉNERGIE POUR UN ATTELAGE DE VÉHICULE FERROVIAIRE

Publication

EP 4342763 A1 20240327 (EN)

Application

EP 23198315 A 20230919

Priority

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Abstract (en)

The present invention relates to an energy absorbing device (10, 10') for a coupler comprising- a housing (11) comprising a first chamber (A) delimited by a rear plate (22) and a front plate (21), a second chamber (B) delimited by a rear plate (32) and a front plate (31),- elastically deformable elements (A1, B1) held in the first chamber (A) and second chamber (B), wherein the first and second chambers (A, B) are arranged in series in a front position and a rear position in the housing (11) such that the front plate of one of the chambers (A, B) is connected to the rear plate of the other, and such that the rear plate of the chamber in the rear position is prevented from moving in the rear direction by a rear stop (12) and comprising- a traction force transmitting member (40) connected to the rear plate of the first chamber, and- a buff force transmitting member (50) connected to the front plate of the chamber in the front position, such that a traction force compresses the first chamber (A) and a buff force compresses both chambers (A, B).

IPC 8 full level

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Citation (search report)

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