

Title (en)

DRAW AND BUFFER GEAR FOR A RAILWAY COUPLING, AND RAILWAY COUPLING

Title (de)

ZUG- UND STOßEINRICHTUNG FÜR EINE ZUGKUPPLUNG UND ZUGKUPPLUNG

Title (fr)

DISPOSITIF DE TRACTION ET DE TAMPON POUR ACCOUPLEMENT DE CHEMIN DE FER, ET ACCOUPLEMENT DE CHEMIN DE FER

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Application

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Abstract (en)

[origin: WO2022223426A1] The invention relates to a draw and buffer gear for a railway coupling, comprising: a first connection for a coupling pin and a second connection for securing the draw and buffer gear to a vehicle structure; a spring array which transmits tractive and compressive forces between the first connection and the second connection; a first pressure plate for applying compressive forces in a first axial direction and a second pressure plate for applying compressive forces in a second axial direction, which is opposite the first axial direction, said compressive forces being applied to the spring array; wherein the spring array comprises at least two damping and/or resilient sub-arrays disposed one behind the other in the first axial direction, and the second pressure plate is disposed in the first axial direction between the sub-arrays, in series with the first sub-array and the second sub-array, such that it transmits a compressive force. The draw and buffer gear according to the invention is characterized in that the first pressure plate has a free, at least substantially flat contact face facing in in the second axial direction, for freely contacting a diametrically opposite contact face of the coupling pin, and the second pressure plate is connected to the first connection in such a way that it can be pivoted about a first axis of rotation that is parallel to the contact face of the first pressure plate.

IPC 8 full level

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