

Title (en)

TRAILER COUPLING WITH A BRAKE DEVICE

Title (de)

ANHÄNGEKUPPLUNG MIT EINER BREMSEINRICHTUNG

Title (fr)

ATTELAGE DE REMORQUE COMPRENANT UN DISPOSITIF DE FREINAGE

Publication

**EP 4240599 A1 20230913 (DE)**

Application

**EP 21802305 A 20211028**

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Abstract (en)

[origin: WO2022096378A1] The invention relates to a trailer coupling for a motor vehicle (90), comprising a coupling arm (20). The coupling arm (20) has a coupling element (27), in particular a coupling ball (27A), and is pivotally mounted on a mounting (11), which is fixed or can be fixed to the motor vehicle (90), between a use position (G) and a non-use position (N) by means of a pivot bearing (30). In the use position (G), which is provided for suspending a trailer (AK) or securing a load carrier (LT) to the coupling element (27) of the coupling arm (20), the coupling arm (20) protrudes further rearwards from the rear (95) of the motor vehicle (90) than in the non-use position (N), which is provided for when the coupling arm (20) is not in use, wherein the mounting (11) has a pivot bearing section (32A) for the pivot bearing (30), and a coupling arm bearing element (50) which supports the coupling arm (20) is pivotally mounted on the pivot bearing about a pivot axis (D). The trailer coupling (10) has a brake device (70) for braking a pivoting movement of the coupling arm bearing element (50) with respect to the mounting (11) during the pivoting movement between the use position (G) and the non-use position (N), said brake device having a braking body (72) and a braking contour (71) for interacting with the braking body (72). The braking body (72) and the braking contour (71) slide against each other during the pivoting movement of the coupling arm bearing element (50) between the use position (G) and the non-use position (N) and brake the pivoting movement. The braking contour (71) and the braking body (72) are designed such that the braking contour (71) and the braking body (72) exert at least two different braking forces onto the coupling arm bearing element (50) during the pivoting movement between the use position (G) and the non-use position (N).

IPC 8 full level

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