

Title (en)

COUPLING DEVICE FOR A LOWER LINK OF A THREE-POINT LINKAGE

Title (de)

KUPPLUNGSEINRICHTUNG FÜR EINEN UNTERLENKER EINES DREIPUNKT-KRAFTHEBERS

Title (fr)

DISPOSITIF D'ACCOUPLEMENT POUR UNE LIAISON INFÉRIEURE D'UN ATTELAGE TROIS POINTS

Publication

**EP 4346365 A1 20240410 (DE)**

Application

**EP 22727345 A 20220505**

Priority

- DE 102021113462 A 20210525
- EP 2022062170 W 20220505

Abstract (en)

[origin: WO2022248186A1] Coupling device (10) for a lower link (24) of a three-point linkage, comprising a coupling body (12) with a catch hook (14) for receiving a coupling element (18) along a defined receiving direction (20), the coupling element being designed to complement a fastening region (16) of the catch hook (14), and also comprising a locking mechanism (28) with a locking latch (30), which is urged by a spring force into a locking position (32), in which the catch hook (14) is locked, in which case a coupling element (18) to be received by the fastening region (16) can be arrested in the catch hook (14). The locking latch (30) here is longitudinally displaceably mounted in a sliding guide (34), provided on the coupling body (12), such that it can be deflected out of the locking position (32) exclusively perpendicularly to the defined receiving direction (20), thereby clearing the fastening region (16), whereas in the locking position (32) the locking latch (30) reaches over more than half way over the fastening region (16) in the defined receiving direction (20), thereby performing a locking function.

IPC 8 full level

**A01B 59/06** (2006.01); **A01B 59/00** (2006.01); **B60D 1/14** (2006.01)

CPC (source: EP)

**A01B 59/006** (2013.01); **A01B 59/062** (2013.01); **A01B 59/066** (2013.01); **B60D 1/04** (2013.01); **B60D 2001/008** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102021113462 A1 20221201**; BR 112023019236 A2 20231212; EP 4346365 A1 20240410; WO 2022248186 A1 20221201

DOCDB simple family (application)

**DE 102021113462 A 20210525**; BR 112023019236 A 20220505; EP 2022062170 W 20220505; EP 22727345 A 20220505