

Title (en)

TRAILER HITCH WITH A SWIVELLABLE HITCH HOOK AND A MOTOR FOR SWIVELLING THE HITCH HOOK

Title (de)

ANHÄNGERKUPPLUNG MIT EINEM SCHWENKBAR GELAGERTEN KUPPLUNGSHAKEN UND EINEM MOTOR ZUM VERSCHWENKEN DES KUPPLUNGSHAKENS

Title (fr)

ATTELAGE DE REMORQUE AVEC CROCHET D'ATTELAGE PIVOTANT ET MOTEUR POUR FAIRE PIVOTER LE CROCHET D'ATTELAGE

Publication

**EP 4143039 A1 20230308 (EN)**

Application

**EP 20723333 A 20200429**

Priority

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Abstract (en)

[origin: WO2021219209A1] The present invention concerns a trailer hitch comprising • a base, • a hook that is pivotably attached to the base, • a motor that can be used to swivel the hook from a first position, preferably a working position, in which a trailer can be attached to the hook, to a second position, preferably a parking position, in which no trailer can be attached to the hook, • a control unit for controlling the motor, said control unit being able to activate the motor by means of a test pulse in such a way that a hook located in the first position is subjected during the test pulse to a force which has a direction which is directed counter to the direction of movement for moving the hook from the first position into the second position, and • a current or voltage sensor, for detecting the current received by the motor or a voltage applied to the motor during the test pulse, wherein the current or voltage sensor is connected to the motor and is either connected to an input of the control unit or the current or voltage sensor is part of the control unit and the connection to the motor is established via an input of the control unit.

IPC 8 full level

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