

Title (en)
DRIVE FOR A MOTORBIKE

Title (de)
ANTRIEB FÜR EIN ZWEIRAD

Title (fr)
MÉCANISME D'ENTRAÎNEMENT POUR DEUX-ROUES

Publication
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Application
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CH 2007000355 W 20070719

Abstract (en)
[origin: WO2009009912A1] The invention relates to a wheel hub (8) for a motorbike and a traction means transmission that can be coupled to the wheel hub (8) are described. The wheel hub (8) comprises, among other things, an axle, a housing, a driver, a transmission, which couples the driver and the housing to each other, a driven wheel (13) of a traction means transmission, and a releasable coupling, which couples the driven wheel (13) to the driver. The driven wheel (13) is attached to the motorbike such that it remains on the motorbike when releasing the coupling between the driver and driven wheel (13). The traction means transmission for a motorbike, on which the rear wheel is rigidly attached to the frame or mounted on a rocker in a spring-loaded manner, comprises a driving wheel (12), a driven wheel (13), and an endless coupling means (14). The driving wheel (12) and the driven wheel (13) act together directly with the endless coupling means (14). The traction means transmission additionally comprises a first compensation mechanism, which acts on a deflection wheel (15.1, 15.2) for the coupling means (14), the deflection wheel (15.1, 15.2) being movable by said mechanism across a first radial distance, and a second compensation mechanism acting on the deflection wheel (15.1, 15.2) for the coupling means (14), the deflection wheel (15.1, 15.2) being movable by said mechanism across a second radial distance. To this end, the first distance is longer than the second distance. The interaction of these two components enables a motorbike, the traction means transmission of which is reliable and low-maintenance, despite the potentially present movable rear wheel rocker, and the rear wheel of which can be removed from the motorbike without engaging in the traction means transmission.

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Cited by
CN114174697A; EP3642103A4; WO2021098920A1; US11021211B2

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