

Title (en)

ADAPTATION OF ASSISTANCE TO THE PRESENCE OR ABSENCE OF EFFORT PROVIDED BY THE CYCLIST WITHOUT USING A TORQUE SENSOR

Title (de)

ANPASSUNG DER UNTERSTÜTZUNG DES VORHANDENSEINS ODER NICHTVORHANDENSEINS VON ANSTRENGUNG DES RADFAHRERS OHNE VERWENDUNG EINES DREHMOMENTSENSORS

Title (fr)

ADAPTATION DE L'ASSISTANCE À LA PRÉSENCE OU NON D'UN EFFORT FOURNI PAR LE CYCLISTE SANS UTILISER UN CAPTEUR DE COUPLE

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Application

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Abstract (en)

[origin: WO2023275460A1] The invention relates to a method for adapting the pedalling assistance on an electrically assisted bicycle, which comprises the steps of: measuring an actual magnitude of movement of the bicycle; measuring the rotation (Vp) of the crankset; calculating a theoretical magnitude of movement of the bicycle from the measurement of the rotation of the crankset; calculating a deviation (ΔV) between the actual and theoretical magnitudes of movement; and modifying the assistance when the deviation crosses a threshold (S, S1, S2).

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