

Title (en)

DRIVE MECHANISM AND TORQUE SENSOR, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

ANTRIEBSVORRICHTUNG UND DREHMOMENTSENSOR SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

SYSTEME D'ENTRAINEMENT ET DETECTEUR DE COUPLE, ET PROCEDE PERMETTANT DE PRODUIRE LEDIT DETECTEUR

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Application

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Abstract (en)

[origin: WO9930960A2] The invention relates to an electric motor-driven supported muscular power driven drive mechanism in which the torque is measured by a torque sensor (35). Said sensor is centrally arranged in the area of the pedal axle (1) in the drive mechanism. The torque sensor is a magnetic pole type and has essentially band-shaped magnet poles (43, 53) which are displaced against one another by the torsion of a torsion section (39), whereby a magnetic value of the sensor (35) changes. As a result, a compact drive mechanism can be produced which permits a precise measurement of the muscular power torque. The sensor can be compactly constructed with the band-shaped magnet poles and can be easily produced.

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