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

Publication

**EP 1037794 A2 20000927 (DE)**

Application

**EP 98957053 A 19981211**

Priority

- CH 286097 A 19971212
- IB 9801991 W 19981211

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.

IPC 1-7

**B62M 23/02**

IPC 8 full level

**B62M 6/55** (2010.01); **B62M 23/02** (2006.01); **G01L 3/10** (2006.01)

CPC (source: EP)

**B62J 45/411** (2020.02); **B62M 6/50** (2013.01); **B62M 6/55** (2013.01)

Citation (search report)

See references of WO 9930960A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

**WO 9930960 A2 19990624**; **WO 9930960 A3 19990819**; AU 1347299 A 19990705; CA 2313484 A1 19990624; EP 1037794 A2 20000927; JP 2002508281 A 20020319

DOCDB simple family (application)

**IB 9801991 W 19981211**; AU 1347299 A 19981211; CA 2313484 A 19981211; EP 98957053 A 19981211; JP 2000538912 A 19981211