

Title (en)
MOTOR FOR A BICYCLE, AND BICYCLE

Title (de)
MOTOR FÜR EIN FAHRRAD UND FAHRRAD

Title (fr)
MOTEUR POUR BICYCLETTE ET BICYCLETTE

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Application
EP 21798307 A 20211018

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Abstract (en)
[origin: WO2022258209A1] The invention relates to a motor (1) for a bicycle, comprising a wheel axle (14) that is designed to be secured to a frame of the bicycle; a hub housing (8) with a housing cover (9) that delimits an interior (31) of the motor in an axial direction (28) with respect to the wheel axle and has a housing cover through-hole (27), through which the wheel axle extends, a bearing seat (10), which protrudes from the rest of the housing cover in the axial direction, and at least two through-holes (12), which are arranged in the housing cover next to each other in the circumferential direction (30) with respect to the wheel axle; a driver (32) that is designed to receive a torque applied by the operator of the bicycle by peddling and has a driver through-hole (33), through which the wheel axle extends outside of the hub housing, and a respective pin (18) for each through-hole, said pin extending through one of the through-holes; a measuring disc (20) that is arranged in the interior and outside of the bearing seat in a radial direction (29) with respect to the wheel axle, has a measuring disc through-hole (34), through which the wheel axle extends, and is designed to receive the torque from the pins and transmit a torque to the hub housing; and a torque measuring device that is designed to determine the torque on the basis of a deformation of the measuring disc.

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