

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0178733 A1 BITTLINGMAIER

May 30, 2024 (43) **Pub. Date:**

(54) WHEEL SIDE

(71) Applicant: Kessler & Co. GmbH & Co. KG, Abtsgmünd (DE)

Inventor: Günter BITTLINGMAIER, Aalen (DE)

Appl. No.: 18/234,956 (21)

(22)Filed: Aug. 17, 2023

(30)Foreign Application Priority Data

Aug. 24, 2022 (DE) 102022121431.1

Publication Classification

(51) Int. Cl.

H02K 24/00 (2006.01)B60K 7/00 (2006.01)H02K 11/225 (2006.01) (52) U.S. Cl.

CPC H02K 24/00 (2013.01); B60K 7/0007 (2013.01); H02K 11/225 (2016.01); B60K 2007/0061 (2013.01)

ABSTRACT

A wheel side comprises: an electric motor that comprises a stator and a rotor; a drive shaft that is connected to the rotor for a common rotation about an input axis so that a drive power generated by the electric motor can be output to further components of the wheel side via the drive shaft; and a resolver for detecting the angular position of the rotor, wherein the resolver comprises a stationary part and a rotary part and the rotary part of the resolver is connected to the rotor of the electric motor for a common rotation about the input axis. In this respect, the resolver is formed separately from the electric motor. Provision is furthermore made that the wheel side has a form-fitting element that is arranged eccentrically with respect to the input axis and that engages in a form-fitting manner into a hole formed at the rotary part, on the one hand, and into a hole formed at the rotor, on the other hand, to ensure a defined angular position of the rotary part relative to the rotor.

