

Title (en)

ELECTRIC DRIVE WITH A PARKING LOCK DEVICE, AND AXLE DRIVE ASSEMBLY COMPRISING THE ELECTRIC DRIVE FOR A MOTOR VEHICLE

Title (de)

ELEKTRISCHER ANTRIEB MIT EINER PARKSPERRENVORRICHTUNG UND ACHSANTRIEBSANORDNUNG MIT DEM ELEKTRISCHEN ANTRIEB FÜR EIN KRAFTFAHRZEUG

Title (fr)

ENTRAÎNEMENT ÉLECTRIQUE COMPRENANT UN DISPOSITIF DE FREIN DE STATIONNEMENT ET AGENCEMENT D'ENTRAÎNEMENT D'ESSIEU COMPRENANT L'ENTRAÎNEMENT ÉLECTRIQUE, POUR UN VÉHICULE À MOTEUR

Publication

**EP 4093626 A1 20221130 (DE)**

Application

**EP 21701720 A 20210121**

Priority

- DE 102020200770 A 20200123
- EP 2021051269 W 20210121

Abstract (en)

[origin: WO2021148503A1] The invention relates to an electric drive (10) for a motor vehicle, having a drive housing (12) with a motor housing section (14) and a motor chamber (14a). A stator (16) and a rotor (18), which is rotatably mounted relative to the stator by means of a rotor shaft (20), are arranged in the motor chamber (14a). According to the invention, a parking lock device (30) with an engagement mechanism (32) for locking the rotor shaft (20) relative to the drive housing (12) is formed in the electric drive (10). The invention additionally relates to an axle drive assembly (100) comprising the electric drive (10) and a transmission assembly (64).

IPC 8 full level

**B60K 1/00** (2006.01); **B60K 17/16** (2006.01)

CPC (source: EP US)

**B60K 1/00** (2013.01 - EP US); **B60K 17/165** (2013.01 - EP US); **F16H 63/3425** (2013.01 - US); **B60K 2001/001** (2013.01 - EP US); **B60Y 2200/90** (2013.01 - EP)

Citation (search report)

See references of WO 2021148503A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020200770 A1 20210729**; CN 115210097 A 20221018; EP 4093626 A1 20221130; US 2023050189 A1 20230216; WO 2021148503 A1 20210729

DOCDB simple family (application)

**DE 102020200770 A 20200123**; CN 202180010771 A 20210121; EP 2021051269 W 20210121; EP 21701720 A 20210121; US 202117793714 A 20210121