

Title (en)

ELECTRIC DRIVE MODULE WITH TRANSMISSION HAVING PARALLEL TWIN GEAR PAIRS SHARING LOAD TO A FINAL DRIVE GEAR

Title (de)

ELEKTRISCHES ANTRIEBSMODUL MIT GETRIEBE, DAS PARALLELE DOPPELZAHNRADPAARE ZUR LASTVERTEILUNG AUF EIN ENDGETRIEBE AUFWEIST

Title (fr)

MODULE D'ENTRAÎNEMENT ÉLECTRIQUE AVEC TRANSMISSION AYANT DES PAIRES DE ROUES DOUBLES COAXIALES PARALLÈLES PARTAGEANT UNE CHARGE À UNE ROUE DE COMMANDE FINALE

Publication

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Application

EP 20897366 A 20201130

Priority

- US 201962942496 P 20191202
- US 2020062541 W 20201130

Abstract (en)

[origin: WO2021113159A1] An electric drive module that includes an electric motor, a differential assembly, and a transmission that transmits rotary power between the electric motor and the differential assembly. The transmission has first and second reductions. The first reduction has a drive gear, which is rotatable about a first axis, and a pair of first reduction gears that are each meshingly engaged to the drive gear rotatable about a respective second axis. The second axes are spaced apart from one another and are parallel to the first axis. The second reduction has a driven gear and a pair of second reduction gears. The driven gear is rotatable about a third axis that is parallel to the first axis. Each of the second reduction gears is being meshingly engaged to the driven gear and non-rotatably coupled to an associated one of the first reduction gears.

IPC 8 full level

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CPC (source: CN EP KR)

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Citation (search report)

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- [A] DE 102017217829 A1 20190411 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
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- See also references of WO 2021113159A1

Designated contracting state (EPC)

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