

Title (en)

AN ELECTRO-MECHANICAL CROSS STEER DRIVE DEVICE FOR A VEHICLE

Title (de)

ELEKTROMECHANISCHE QUERLENKANTRIEBSVORRICHTUNG FÜR EIN FAHRZEUG

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT À DIRECTION TRANSVERSALE ÉLECTROMÉCANIQUE POUR UN VÉHICULE

Publication

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Application

**EP 21850609 A 20210722**

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Abstract (en)

[origin: WO2022020941A1] According to the present invention there is provided an electro-mechanical cross-steer device for a vehicle. The device may include a first and a second motor and first and second output planetary gear set, each having a transfer gear assembly mechanically connected to the first and second motors, respectively. Additionally, a differential may be included which is mechanically connected to the first and second output planetary gear sets via a mainshaft connected to the first and second output planetary gear sets. First and second input shafts may be mechanically connected to the first and second transfer gear assemblies and to the differential. First and second output shafts may be respectively connected to the first and second output planetary gear sets with each of the output shafts operable to drive a particular side of a vehicle.

IPC 8 full level

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