

Title (en)

DRIVE AXLE OF AN ELECTRIC VEHICLE, AND POWERSHIFTING METHOD

Title (de)

ANTRIEBSACHSE EINES ELEKTROFAHRZEUGES UND LASTSCHALTVERFAHREN

Title (fr)

ESSIEU MOTEUR D'UN VÉHICULE ÉLECTRIQUE ET PROCÉDÉ DE COMMANDE EN CHARGE

Publication

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Application

EP 20780986 A 20200924

Priority

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- EP 2020076679 W 20200924

Abstract (en)

[origin: WO2021063789A1] The invention relates to a drive axle of an electric vehicle with a first and a second drive wheel (R1, R2) with wheel axles (a1, a2), a first electric machine (EM1) and a second electric machine (EM2) with a common rotational axis (m), a manual transmission (G3) with a transmission input shaft (EW) and a transmission output shaft (AW) as well as an axle differential (DI) with a differential input (DIK) and two differential output shafts (3a, 3b), wherein the first electric machine (EM1) is connected to the transmission input shaft (EW), the transmission output shaft (AW) is connected to the differential input (DIK), and the second electric machine (EM2) can be switched on as an additional drive if necessary.

IPC 8 full level

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Citation (search report)

See references of WO 2021063789A1

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