

Title (en)

TRANSMISSION ASSEMBLY, MOTOR VEHICLE POWERTRAIN, AND METHOD FOR OPERATING SAME

Title (de)

GETRIEBEANORDNUNG, KRAFTFAHRZEUGANTRIEBSSTRANG UND VERFAHREN ZU DESSEN BETREIBEN

Title (fr)

AGENCEMENT D'ENGRENAGES, ENSEMBLE DE TRANSMISSION DE VÉHICULE AUTOMOBILE ET PROCÉDÉ POUR LE FAIRE FONCTIONNER

Publication

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Application

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Abstract (en)

[origin: WO2020177887A1] The invention relates to a transmission assembly (16) for a motor vehicle powertrain (10), comprising a first input shaft (24) which is connected or can be connected to an internal combustion engine (12), a second input shaft (26) which is arranged coaxially to the first input shaft (24), an output shaft which is connected to the first input shaft (24) via a first plurality of shiftable first gear wheel sets (38, 42, 44) and to the second input shaft (26) via a second plurality of shiftable second gear wheel sets (36, 52), a first electric machine (56) which is connected to the second input shaft (26), a second electric machine (60) which is connected to the first input shaft (24), and a first clutch (K1) via which the first input shaft (24) and the second input shaft (26) can be connected together. The second gear wheel sets have second alternatively shiftable gear wheel sets (36, 52) via which an electromotive drive operation can be carried out using the first electric machine (56), wherein the transmission assembly (16) is designed such that a first internal-combustion-engine drive operation can be carried out via one (36) of the two alternatively shiftable gear wheel sets (36, 52) when the first clutch (K1) is closed.

IPC 8 full level

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Citation (search report)

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