

Title (en)
HYBRID TRANSMISSION UNIT HAVING TWO PLANETARY GEAR SETS AND A PLURALITY OF SWITCHING DEVICES; AND MOTOR VEHICLE

Title (de)
HYBRIDE GETRIEBEINHEIT MIT ZWEI PLANETENRADSÄTZEN UND MEHREREN SCHALTEINRICHTUNGEN; SOWIE KRAFTFAHRZEUG

Title (fr)
UNITÉ HYBRIDE DE TRANSMISSION MUNIE DE DEUX ENSEMBLES DE PIGNONS SATELLITES ET DE PLUSIEURS DISPOSITIFS DE CHANGEMENT DE RAPPORT, AINSI QUE VÉHICULE AUTOMOBILE

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Application
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Priority

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Abstract (en)
[origin: WO2020108687A1] The invention relates to a transmission unit (1) for a hybrid motor vehicle (2), comprising a planetary gearing (3), wherein the planetary gearing (3) has a first planetary wheel set (4) and a second planetary wheel set (5), an electric machine, which is coupled with a component part (6) of the planetary gearing (3), and a plurality of switching devices (8, 9, 10, 11), each of which forming a brake or a clutch, and each can be moved between an activated position and a deactivated position. The switching devices (8, 9, 10, 11) are used for switching various transmission ratios acting between an input (13), which can be coupled with an internal combustion engine (12), and an output (14), and/or between the electric machine (7) and the output (14), wherein no more than four switching devices (8, 9, 10, 11) are present for implementing at least two different transmission ratios in a drive state of the internal combustion engine (12), at least one transmission ratio in a drive state of the electric machine (7), and at least one transmission ratio in a recuperation state of the electric machine (7), as a result of their activated and deactivated positions. The invention further relates to a motor vehicle (2) having an internal combustion engine (12) and having said transmission unit (1).

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