

Title (en)
MOTOR VEHICLE TRANSMISSION

Title (de)
KRAFTFAHRZEUGGETRIEBE

Title (fr)
BOÎTE DE VITESSES DE VÉHICULE AUTOMOBILE

Publication
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Application
EP 15734645 A 20150702

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Abstract (en)
[origin: WO2016015945A1] The invention relates to a motor vehicle transmission (1), comprising at least a housing (3) and a main transmission (2), wherein the main transmission (2) comprises at least the following: an input-side shaft (4) and an output-side shaft (5); a first planetary gear set (6), comprising a sun gear (7), a carrier (8), a planet gear (10) supported on the carrier (8), and a ring gear (9); a second planetary gear set (11), comprising a sun gear (12) permanently coupled to the input-side shaft (4), a carrier (13) permanently coupled to the output-side shaft (5), a planet gear (15) supported on the carrier (13), and a ring gear (14); a third planetary gear set (16), comprising a sun gear (17), a carrier (18), a planet gear (20) supported on the carrier (18), and a ring gear (19); a fourth planetary gear set (21), comprising a sun gear (22), a carrier (23), a planet gear (25) supported on the carrier (23), and a ring gear (24); wherein the carrier (13) of the second planetary gear set (11) is permanently coupled to the carrier (23) of the fourth planetary gear set (21); wherein the ring gear (14) of the second planetary gear set (11) is permanently coupled to the ring gear (19) of the third planetary gear set (16); wherein the carrier (23) of the fourth planetary gear set (21) can be coupled to the sun gear (17) of the third planetary gear set (16), a first shifting element (K2) being interposed; wherein the carrier (18) of the third planetary gear set (16) can be coupled to the housing (3), a second shifting element (B1) being interposed; wherein the sun gear (17) of the third planetary gear set (16) can be coupled to the input-side shaft (4), a third shifting element (K4) and a fourth shifting element (K1) being interposed.

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