

Title (en)  
MULTI-SPEED GEARBOX

Title (de)  
MEHRSTUFENGETRIEBE

Title (fr)  
BOÎTE DE VITESSES MULTI-ÉTAGÉE

Publication  
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Application  
**EP 13709880 A 20130313**

Priority  
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Abstract (en)  
[origin: WO2013159999A1] The invention relates to a multi-speed gearbox having four planetary gear sets (P1, P2, P3, P4), eight rotatable shafts (1, 2, 3, 4, 5, 6, 7, 8) and six shift elements (03, 04, 05, 14, 17, 8), wherein the sun gear of the first planetary gear set (P1) is connected to the eighth shaft (8), which is connected to the sun gear of the second planetary gear set (P2) and can be connected to the drive shaft (1) by means of a third clutch (18). The drive shaft (1) can be connected to the fourth shaft (4) by means of a first clutch (14), which connects to the ring gear of the first planetary gear set (P1) and can be coupled to the housing (G) by means of a second brake (04). The drive shaft (1) can be connected to the seventh shaft (7) which is connected to the seventh shaft (7) which is connected to the planet carrier of the fourth planetary gear set (P4) and to the ring gear of the third planetary gear set (P3) by means of a second clutch (17). The sixth shaft (6) is connected to the ring gear of the first planetary gear set (P1), to the planet carrier of the second planetary gear set (P2) and to the ring gear of the fourth planetary gear set (P4), the third shaft (3) is connected to the sun gear of the third planetary gear set (P3) and to the sun gear of the fourth planetary gear set (P4) can be coupled to the housing (G) by means of a first brake (03). The fifth shaft (5) is connected to the ring gear of second planetary gear set (P2) and can be coupled to the housing (G) by means of a third brake (05). The output shaft (2) is connected to the planet carrier of the third planetary gear set (P3).

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