

Title (en)
10-SPEED PLANETARY GEARBOX

Title (de)
10-GANG-PLANETENGETRIEBE

Title (fr)
BOÎTE DE VITESSES À TRAINS PLANÉTAIRES À 10 RAPPORTS

Publication
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Application
EP 13780147 A 20131024

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Abstract (en)
[origin: WO2014079639A1] The invention relates to a gearbox, particularly for motor vehicles, wherein the gearbox comprises at least one input shaft (1), one output shaft (2), a casing (GE), six shift elements, comprising a first brake (B1) and a second brake (B2), and a first clutch (K1), a second clutch (K2, K2', K2'', K2''', K2'''', K2'''''), a third clutch (K3) and a fourth clutch (K4, K4'), a first planetary gear set (PR1), a second planetary gear set (PR2) and a third planetary gear set (PR3). Each planetary gear set comprises at least one sun gear, one planet gear, one planet carrier and one ring gear, and the shift elements can be actuated selectively, whereby ten forward gears and one reverse gear can be achieved by different transmission ratios between the input shaft (1) and the output shaft (2). The gearbox is characterized in that the input shaft (1) and the output shaft (2) are arranged axially offset to one another and the input shaft (1) can be connected via the third clutch (K3) to a planet carrier (PT1) of the first planetary gear set (PR1) and the planet carrier (PT1) of the first planetary gear set (PR1) can be connected by means of the second brake (B2) to the casing (GE).

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