

Title (en)

TRANSMISSION AND DRIVE TRAIN FOR A VEHICLE

Title (de)

GETRIEBEVORRICHTUNG UND ANTRIEBSSTRANG EINES FAHRZEUGS

Title (fr)

DISPOSITIF DE TRANSMISSION ET CHAÎNE CINÉMATIQUE D'UN VÉHICULE

Publication

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Application

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Abstract (en)

[origin: WO2005043008A1] The invention relates to a transmission (1) for distributing a drive moment on at least two drive shafts (8) comprising at least two sets of planetary gears (2,3) consisting of three shafts. One respective shaft (4,5) of a set of planetary gears (2,3) is connected to a drive shaft (6). One respective shaft of a set of planetary gears (2,3) represents one of the drive shafts (7,8) and at least one other respective shaft (9 or 10) of a set of planetary gears (2 or 3) is actively connected to a shaft (10 or 9) of another set of planetary gears (3 or 2). A moment of a shaft (9 or 10), which is dependent upon an operational state, can be supported by the active connection according to the operational state of the other respective actively connected shaft (10 or 9) such that a moment modifying a speed difference is created in set of planetary gears (2,3) when a difference in speed occurs between the drive shafts (7,8) via said active connection. The invention also relates to a drive train of a vehicle provided with the above-mentioned transmission (1), wherein a drive moment of a drive source can be distributed in a variable manner according to an operational state in the longitudinal direction of the vehicle and in a transversal direction of the vehicle.

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