

Title (en)

TRANSMISSION FOR TRANSMITTING A DRIVE TORQUE FROM ONE DRIVE SHAFT TO TWO OUTPUT SHAFTS

Title (de)

GETRIEBEEINHEIT ZUR FÜHRUNG EINES ANTRIEBSMOMENTS VON EINER ANTRIEBSWELLE AUF ZWEI ABTRIEBSWELLEN

Title (fr)

UNITÉ DE TRANSMISSION DESTINÉE À TRANSMETTRE UN COUPLE D'ENTRAÎNEMENT D'UN ARBRE D'ENTRÉE À DEUX ARBRES DE SORTIE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007138001A1] The invention relates to a transmission, in particular a rear axle transmisssion for transmitting a drive torque from one drive shaft (2) to two output shafts (3, 5) by means of a differential unit (15) and a continuously variable device (14) for influencing the distribution rate of the drive torque to the output shafts (3, 5), said device being activated by means of at least one motor (37). The differential unit (15) comprises a differential (17) and a differential cage (19) that is operatively connected to the drive shaft (2) and the device (14) for influencing the distribution rate of the drive torque has at least one planetary gear set as the transmission ratio stage (39), which is operatively connected to the differential cage (19) and an associated output shaft (3 and 5) and which has a braking device (61). According to the invention, the braking device (51) is laterally offset in the direction of a planetary gear axis (Z) and lies next to planetary gears (69, 71) of the transmission ratio stage (39), at least approximately inside the radial extension area of the planetary gears (69, 71) and around the longitudinal axis (X) of the output shafts (3, 5).

IPC 8 full level

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