

Title (en)

DIFFERENTIAL GEAR FOR A DRIVE AXLE OF A MOTOR VEHICLE

Title (de)

DIFFERENZIALGETRIEBE FÜR EINE ANTRIEBSACHSE EINES KRAFTFAHRZEUGS

Title (fr)

ENGRENAGE DIFFÉRENTIEL POUR ESSIEU MOTEUR D'UN VÉHICULE AUTOMOBILE

Publication

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Application

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Abstract (en)

[origin: WO2015022053A1] The invention relates to a differential gear for a drive axle of a motor vehicle, having a driven differential case (12), which has effect on a carrier (24), particularly on a driving pin, via a coupling block (26) that is guided in a rotationally fixed but axially movable manner, on which carrier (24) planetary wheels (22) are mounted which interlock with outputting output wheels (20), wherein the output wheels (20) output on output shafts (16, 18) on both sides, and having a torque-dependent locking device for shifting the driving torque by means of at least one coupling device (28) integrated in the differential case (12), which coupling device (28) can additionally be actuated via at least one actuator (34; 44), independently of the driving torque. According to the invention, the at least one actuator (34; 44) is arranged in the region of at least one of the output shafts (16, 18) and has effect on the coupling device (28) by means of at least one transfer means (38, 40).

IPC 8 full level

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