

Title (en)

TRANSMISSION DEVICE FOR DISTRIBUTING A DRIVE TORQUE TO AT LEAST TWO OUTPUT SHAFTS

Title (de)

GETRIEBEVORRICHTUNG ZUM VERTEILEN EINES ANTRIEBSMOMENTES AUF WENIGSTENS ZWEI ABTRIEBSWELLEN

Title (fr)

SYSTEME DE TRANSMISSION POUR REPARTIR UN COUPLE MOTEUR SUR AU MOINS DEUX ARBRES DE SORTIE

Publication

**EP 2018493 A1 20090128 (DE)**

Application

**EP 07728129 A 20070416**

Priority

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Abstract (en)

[origin: WO2007131848A1] The invention relates to a transmission device for distributing a drive torque to at least two output shafts (Ab1, Ab2), said device comprising a differential (2), which is permanently connected to the output shafts (Ab1, Ab2). A double planetary gear set (4) is provided between the differential cage (3) of the differential (2) and the output (Ab2) of one side and is coaxial with the output (Ab2), said planetary gear set comprising a first sun gear (5) and a second sun gear (6), a first planetary range (7), an intermediate planetary range (8) and an internal gear (9), the internal gear (9) being connected to the differential cage (3) and the link (10) of the planetary gear set (4) being connected to the output (Ab2). The first sun gear (5) meshes with the first planetary range (7) and can be coupled to the housing (G) by means of a brake (11) in order to shift the torque in one direction, and the second sun gear (6) meshes with the intermediate planetary range (8) and can be coupled to the housing (G) by means of an additional brake (12) in order to shift the torque in the opposite direction.

IPC 8 full level

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Citation (search report)

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