Title (en)

METHOD OF CONTROLLING AN AUTOMATIC GEARBOX

Title (de)

VERFAHREN ZUR STEUERUNG EINES AUTOMATIKGETRIEBES

Title (fr)

PROCEDE DE PILOTAGE D'UNE BOITE DE VITESSES AUTOMATIQUE

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Application

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Abstract (en)

[origin: WO2009019352A2] The invention relates to a control method for uncoupling the primary shaft (1) and the output member (14) of an automatic gearbox. The gearbox comprises an epicyclic gear train (4) including an external sun gear (6) secured to the input shaft (1) and a fixed internal sun gear (5), and also a satellite carrier (7) carrying a satellite (8) meshing with these sun gears (5, 6). It comprises a second epicyclic gear train (9) including an external sun gear (14), a small and a large internal sun gear (16, 17) and a double satellite carrier (11). The first satellite (12) meshes with the small internal sun gear (16) and with the second satellite (13) which meshes with the large internal sun gear (17) and with the external sun gear (14). When the vehicle is stationary, the actuators are controlled to uncouple the input shaft (1) from the output member (14) and to rotationally immobilize the output member (14). The invention applies to controlling such a gearbox when the vehicle is stopped.

IPC 8 full level

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