

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

Publication

EP 2171317 A2 20100407 (FR)

Application

EP 08806107 A 20080627

Priority

- FR 2008051179 W 20080627
- FR 0756560 A 20070718

Abstract (en)

[origin: WO2009019351A2] 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). Two clutches (18, 19) for securing the single satellite carrier (7) to the small and large internal sun gear (16, 17), respectively, are kept open. A brake (24) for immobilizing the double satellite carrier (11) is kept engaged. The invention applies to controlling such a gear box when the vehicle is stopped.

IPC 8 full level

F16H 61/20 (2006.01)

CPC (source: EP)

F16H 61/0059 (2013.01); **F16H 61/20** (2013.01); **F16H 3/663** (2013.01); **F16H 2057/0012** (2013.01); **F16H 2061/205** (2013.01); **F16H 2061/207** (2013.01)

Citation (search report)

See references of WO 2009019351A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2919035 A1 20090123; FR 2919035 B1 20091120; EP 2171317 A2 20100407; WO 2009019351 A2 20090212; WO 2009019351 A3 20090409

DOCDB simple family (application)

FR 0756560 A 20070718; EP 08806107 A 20080627; FR 2008051179 W 20080627